

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

VERSION 4.1

PROTECTING YOUR VEHICLE UNDER THE
MOST ARDUOUS AUSTRALIAN CONDITIONS



Obsession with oil

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SELECTION OF FEATURED PRODUCTS AT JANUARY 2007

PRODUCTS	VISCOSITY GRADE	API RATING	ACEA RATING	OTHER	500ml	1L	2.5L	4L	5L	10L	20L	60L	205L
ATF 33	—	—	—	Ford M2C-33F	—	—	—	ATF33004	—	—	ATF33020	—	—
ATF 95 LE	—	—	—	BTR 5M-52	—	—	—	ATFLE004	—	—	ATFLE020	ATFLE060	ATFLE205
ATF BMW	—	—	—	MB236.10/11, ZF, BMW L371141	—	—	—	ATFBMW004	—	—	ATFBMW020	—	—
ATF DX-II	—	—	—	DEXRON [®] -IID (obsolete), MB 236.6, Allison C-4, M2C 166H	—	—	—	ATFDX2004	—	—	ATFDX2020	ATFDX2060	ATFDX2205
ATF DX-III	—	—	—	DEXRON [®] -III H, MERCON [®] -IV	—	ATFDX3001	—	ATFDX3004	—	—	ATFDX3020	ATFDX3060	ATFDX3205
ATF DX-VI	—	—	—	DEXRON [®] -VI approval J60302/1-60303	—	—	—	ATFDX6004	—	—	ATFDX6020	—	—
ATF MHP	—	—	—	Mitsubishi MM SP3, Chrysler 7176E, Toyota TH/THII/THV/WS, JASO 1A	—	—	—	ATFMHP004	—	—	ATFMHP020	ATFMHP060	ATFMHP205
ATF SYNTHETIC	—	—	—	MERCON [®] -V (approved), Ford M2C 202B, DEXRON [®] -IIIH, MS 9602	—	—	—	ATFSYN004	—	—	ATFSYN020	—	ATFSYN205
ATF TOP UP FLUID	—	—	—	—	—	ATFTU001	—	—	—	—	—	—	—
BRAKE FLUID 525	—	—	—	Super DOT 4, Class 3/270	BF0005	—	BF0025	—	—	—	BF020	—	—
EVERYDAY DRIVING 15W-40	15W-40	SL/CF-4	—	—	—	—	—	—	PMO15005	—	—	—	—
EVERYDAY DRIVING 20W-50	20W-50	SL/CF-4	—	—	—	—	—	—	PMO20005	—	—	—	—
HPR 0	0W-40	SM/CF	A3/B4/C3	MB229.51, BMW LL-04, VW507-01	—	—	—	—	HPR00005	—	HPR00020	—	HPR00205
HPR 5	5W-40	SM/CF	A3/B4	MB229.3, BMW LL-01	—	—	—	—	HPR05005	—	HPR05020	—	HPR05205
HPR 10	10W-50	SM/CF	A3/B4	MB229.3	—	HPR10001	—	—	HPR10005	—	HPR10020	HPR10060	HPR10205
HPR 15	15W-60	SM/CF	A3/B4	M2C 153E	—	HPR15001	—	—	HPR15005	—	HPR15020	HPR15060	HPR15205
HPR 30	20W-60	SM/CF	A3/B3	M2C 153G, VW 501.01	—	HPR30001	—	—	HPR30005	—	HPR30020	HPR30060	HPR30205
HPR 40	25W-70	SL/CF	A2	—	—	HPR40001	—	—	HPR40005	—	HPR40020	HPR40060	HPR40205
HPR 50	40-70	SL	—	—	—	HPR50001	—	—	HPR50005	—	HPR50020	HPR50060	HPR50205
HPR DIESEL 5	5W-40	CH-4/SL	A3/B4/E4	DLD-2/3, MB228.5	—	—	—	—	—	HPRD5010	HPRD5020	—	HPRD5205
HPR DIESEL 15	15W-50	CH-4/SL	A3/B4	DLD-1/3	—	HPRD15001	—	—	HPRD15005	HPRD15010	HPRD15020	HPRD15060	HPRD15205
HPR DIESEL	20W-60	CH-4/SJ	A3/B3	DLD-1	—	HPRD001	—	—	HPRD005	HPRD010	HPRD020	HPRD060	HPRD205
HPR GAS 10	10W-50	CG-4/SL	A3/B4	—	—	—	—	—	HPRG10005	HPRG10010	HPRG10020	—	HPRG10205
HPR GAS	20W-60	CG-4/SL	A3/B4	—	—	HPRG001	—	—	HPRG005	HPRG010	HPRG020	HPRG060	HPRG205
HPSO	—	—	—	Honda PSF	—	HPS0001	—	—	—	—	—	—	—
HYPOID 80W-90	80W-90	GL-5/PG-2, MF-1	—	Mack GO-J (approved), MIL-L2105E	—	HYP8090001	HYP8090025	—	—	—	HYP8090020	HYP8090060	HYP8090205
HYPOID 85W-140	85W-140	GL-5/PG-2, MF-1	—	Mack GO-J (approved), MIL-L2105E	—	HYP85140001	HYP851400025	—	—	—	HYP851400020	HYP851400060	HYP85140205
HYPOID 140	140	GL-5/PG-2	—	—	—	—	—	—	—	—	HYP140020	—	HYP140205
LIMSLIP 85W-140	85W-140	GL-5/6, PG-2, MF-1	—	MIL-L2105E	—	LIM851400001	LIM851400025	—	—	—	LIM851400020	LIM851400060	LIM85140205
LIMSLIP 90	80W-90	GL-5/6, PG-2, MF-1	—	MIL-L2105E	—	LIM90001	LIM900025	—	—	—	LIM90020	LIM90060	LIM90205
LIMSLIP 140	140	GL-5/6, PG-2	—	—	—	LIM140001	—	—	—	—	LIM140020	LIM140060	—
LHM PLUS	—	—	—	VW2000, HSMO	—	—	—	LHMP0025	—	—	—	—	—
MANUAL GEAR OIL 70	70W-75	GL-4 Plus	—	ZF 6 Speed, VW, B0T338	—	—	—	MG070750025	—	—	—	—	—
MANUAL GEAR OIL 75	75W-80	GL-4 Plus	—	Honda MTF 7389, LR MTF94, MB 235.10	—	MG07580001	MG075800025	—	—	—	MG075800020	MG075800060	MG07580205
MANUAL GEAR OIL 80	80W-85	GL-4	—	MB235.5, BTR 5M-42, HN 1820	—	MG08085001	MG080850025	—	—	—	MG080850020	MG080850060	MG08085205
MB 15	—	—	—	MB343.0	—	MB15001	—	—	—	—	—	—	—
PAS FLUID	—	—	—	Land Rover L4315, MB 341.0, Chrysler MS-5931	—	PAS001	—	—	—	—	—	—	—
POWER STEERING FLUID	—	—	—	—	PSF0005	—	—	—	—	—	PSF020	—	—
SIN 0	0W-50	SM/CF	A3/B4	JASO MA	—	—	—	—	SINE0005	—	—	—	—
SIN 5	5W-60	SM/CF	A3/B4	JASO MA	—	—	—	—	SINE5005	—	SINE5020	—	SINE5205
SIN 10	10W-70	SM/CF	A3/B4	JASO MA	—	—	—	—	SINE10005	—	SINE10020	—	SINE10205
SIN 15	15W-40	SL/CF	A3/B4	JASO MA	—	—	—	—	SINE15005	—	SINE15020	—	SINE15205
SIN 25	25W-60	SL/CF	A3/B4	JASO MA	—	—	—	—	SINE25005	—	SINE25020	—	SINE25205
SIN AUTO FLUID	—	—	—	GM DEXRON [®] -III H, MERCON, JASO	—	—	—	SINATF004	—	—	—	—	—
SIN BRAKE FLUID	—	—	—	US FMVSS No 116 SUPER DOT4, J1703	SINBF0005	—	—	—	—	—	—	—	—
SIN COOLANT	—	—	—	AS/NZS 2108.1-1997 TYPE B	—	SINCOOL001	—	—	—	—	—	—	—
SIN GEAR OIL 75	75W-90	GL-5/6, MF-1	—	MIL-PRF-2105E, FORD M2C 200C, BTR 5M-50	—	—	SING750025	—	—	—	—	—	—
SIN GEAR OIL 80	80W-140	GL-5/6	—	FORD M2C-190A, HOLDEN HN 2040, BTR/DANA	—	—	SING800025	—	—	—	—	—	—
SIN GREASE	—	—	—	NLGI GC/LB, NLGI 2	SINGRS0005 ^{200g}	—	—	—	—	—	—	—	—
SIN MANUAL TRANS	75W-85	GL-4	—	MTF 94, ZF TEML 02	—	—	SINMT0025	—	—	—	—	—	—
SIN RACE CASTOR	—	—	—	—	—	SINCAS001	—	—	—	—	—	—	—
SIN SHARP SHIFT	—	—	—	FORD M2C-33F	—	—	—	SINSS004	—	—	—	—	—
SIN TWO STROKE	—	—	—	JASO FD ISO EG-D, PIAGGIO HEXAGON	—	SINTS001	—	—	—	—	—	—	—
SMALL ENGINE 4-STROKE MULTIGRADE	20W-50	SG/CF	—	JASO MA	—	SEFS20W50001	SEFS20W500025	—	—	—	SEFS20W50020	—	SEFS20W50205
SMALL ENGINE 4-STROKE MONOGRADE	30	SG/CC	—	MIL-L-2104B	—	SEFS30001	SEFS300025	—	—	—	SEFS30020	—	SEFS30205
SSF	—	—	—	MB345.0, Citroen Hydra Active 3	—	—	SSF0025	—	—	—	—	—	—
STOPS OIL CONSUMPTION	30-70	SJ	—	—	—	—	—	—	PMO30005	—	—	—	—
TRANSAXLE 75	75W-90	GL-5/MF-1	—	MB235.0, MB235.6	—	—	TA0750025	—	—	—	TA075020	TA075060	—

Many other products are available. Further information on these and other Penrite Products can be found in the Product Information Sheets. Please feel free to contact us or log on to our web page

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
AC														
3000ME	1977-1986	HPR 30	5.7	HPR 30	4.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Ace	1995-2000	HPR 15	4.8	Manual Gear Oil 75	4.5	ATF DX-II	--	--	--	--	--	--	--	Power Steering Fluid/ATF Top Up
Cobra Mk IV	1994-2006	HPR 15/SIN 10	4.8	Manual Gear Oil 75	4.5	--	--	--	--	--	--	SIN Gear Oil 80	--	Power Steering Fluid/ATF Top Up

AEC														
Bullet Supercar	2002-2004	HPR 10	--	SIN Gear 75/Synthetic Gear Oil 75W-90	--	ATF Synthetic/SIN Auto	--	--	--	--	--	SIN Gear 75	--	ATF Synthetic

ALFA ROMEO	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
147	2001-2006	HPR 5/SIN 0	4.4	(P2, Q3)	2.0	ATF BMW	--	--	--	--	--	--	--	(O3)
156, Twin Spark/V6	1998-2006	HPR 10/SIN 5	4.4/6.4	Transaxle 75 (Q3)	2.0	ATF BMW	--	--	--	--	--	--	--	(O3)
159	2006-2007	HPR 5/SIN 0	5.4	Manual Gear Oil 75	2.0	Refer Dealer	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
159 2.4 JTDM	2005-2007	HPR Diesel 5	6.4	SIN Manual Trans	2.5	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid (I3)
159 1.9L Diesel	2007	HPR 0 (H4)	4.6	SIN Manual Trans	2.0	--	--	--	--	--	--	--	--	(O3)
164, Quadrifoglio	1989-1992	HPR 30	6.2	Transaxle 75	1.8	ATF DX-II	6.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up (I3)
166	1999-2005	HPR 10	6.0	Transaxle 75	2.0	ATF BMW	--	--	--	--	--	--	--	Power Steering Fluid/ATF Top Up
33/GCL/Ti/Boxer/Monte Carlo/Quattro	1984-1992	HPR 30	4.0	Hypoid 80W-90	2.6	--	--	--	--	--	--	Combined Transmission	1.0	Power Steering Fluid/ATF Top Up
75 2.0 Twin Spark	1988-1992	HPR 30	5.6	Transaxle 75	2.3	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
75/90/Super, V6 engines	1985-1992	HPR 30	6.7	Transaxle 75	2.3	ATF DX-II	6.7	--	--	--	--	Transaxle 75	1.0	Power Steering Fluid/ATF Top Up
1750 Berlina, 750GTV	1968-1972	HPR 30	6.7	Hypoid 80W-90	--	--	--	--	--	--	--	Hypoid 80W-90 (J1)	1.4	--
2000 Sedan	1972-1976	HPR 30	6.7	Hypoid 80W-90	--	ATF DX-II	5.0	--	--	--	--	Hypoid 80W-90 (J1)	1.4	--
Alfasud and Alfasud Ti	1974-1979	HPR 30	4.0	Hypoid 80W-90	3.4/3.3	--	--	--	--	--	--	Combined Transmission	--	--
Alfasud Ti and Sprint	1979-1985	HPR 30	4.0	Hypoid 80W-90	3.3	--	--	--	--	--	--	Combined Transmission	--	--
Alfetta GTV/2000/GTV 2.0	1977-1986	HPR 30	6.5/5.5	Hypoid 80W-90	2.9	--	--	--	--	--	--	Combined Transmission	--	--
Alfetta, Alfetta GT, Alfetta 1.8	1974-1978	HPR 30	6.5	Hypoid 80W-90	2.9	--	--	--	--	--	--	Combined Transmission	--	--
Brera V6	2006-2007	HPR 5/SIN 0	5.4	Transaxle 75	2.8	--	--	--	--	--	--	Combined Transmission	--	(O3)
Brera 2.4 20V JTDM	2006-2007	HPR 0 (H4)	6.4	SIN Manual Trans	2.5	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid (I3)
Giulia 1600	1963-1972	HPR 30	6.5	Hypoid 80W-90 (A2)	--	--	--	--	--	--	--	Hypoid 80W-90 (J1)	1.4	--
Giulietta	1980-1986	HPR 30	5.6	Hypoid 80W-90	2.9	--	--	--	--	--	--	Combined Transmission	--	--
GT 2.0L/3.2L	2006-2007	HPR 10/SIN 5	4.4/5.9	Transaxle 75 (Q3)	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
GTV	1999-2005	HPR 10/SIN 5	--	Transaxle 75	--	ATF BMW	--	--	--	--	--	--	--	(O3)
GTV 6, Grand Prix	1983-1988	HPR 30	6.7	Transaxle 75	2.9	--	--	--	--	--	--	Combined Transmission	--	--
Sprint	1985-1988	HPR 10	4.0	Hypoid 80W-90	2.6	--	--	--	--	--	--	Combined Transmission	--	--
Spyder 2.0L	1996-2005	HPR 5/SIN 0	4.4	Manual Gear Oil 80, SIN Gear Oil 75	2.0	--	--	--	--	--	--	--	--	Power Steering Fluid/ATF Top Up

NOTES (A2) - Check tag - some units prior to 1967 should use HPR 30, (H4) - Sole recommendation for engine, (I3) - Hydraulic System and cabriolet top activation use Penrite SSF, (J1) - If limited slip differential fitted use Limsip 90, (O3) - use ATF Top Up/Power Steering Fluid. Models with electro-power steering do not require fluid, (P2) - For mechanical transmission/differential specifying GL-5 use SIN Gear Oil 75, if GL-4/C4 specified use SIN Manual Trans, (Q3) - Selespeed (electro-hydraulic) control unit use LHM Plus, 0.6L

ASIA	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
Roctsa - petrol	1992-2001	HPR 30	4.1	Hypoid 80W-90	2.0	--	--	Hypoid 80W-90	1.3	Hypoid 80W-90	0.8	Hypoid 80W-90	0.8	--
Roctsa - diesel	1993-2001	HPR Diesel	5.4	Hypoid 80W-90	2.0	--	--	Hypoid 80W-90	1.3	Hypoid 80W-90	0.8	Hypoid 80W-90	0.8	--
Combi	1992-2001	HPR Diesel	11.3	Hypoid 80W-90	3.3	--	--	--	--	--	--	Hypoid 80W-90	2.6	--

ASTON MARTIN	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
DB6, DB6 Mk II, DBS	1965-1973	HPR 30/SIN 25	13.0	SIN 25	2.0	ATF DX-II	8.5	--	--	--	--	Hypoid 80W-90 (J1)	1.7	--
DB9	2004-2007	SIN 0	10.4	Transaxle 75	5.0	ATF DX-VI	9.7	--	--	--	--	Transaxle 75	--	PAS Fluid
DBS V8	1969-1975	HPR 30/SIN 25	10.2	SIN 25	2.0	ATF DX-II	8.5	--	--	--	--	Hypoid 80W-90 (J1)	2.0	--
V-8, Vantage, Volante, Zagato, Lagonda	1972-1990	HPR 10	11.3	Manual Gear Oil 80	2.0	ATF DX-II	8.5	--	--	--	--	Limsip 90	2.0	Power Steering Fluid/ATF Top Up
V8 Coupe/Volante/Vantage, DB7 Vantage/Volante	1997-2006	HPR 5	8.0 - 11.0	Manual Gear Oil 70	1.7 - 4.0	(R2)	--	--	--	--	--	SIN Gear Oil 80	--	Power Steering Fluid/ATF Top Up
Vanquish V12	2002-2004	SIN 0	9.5	Manual Gear Oil 75 (Q3)	4.2	--	--	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid
Vanquish V12	2004-2007	SIN 0	11.4	Manual Gear Oil 75 (Q3)	4.2	--	--	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid

NOTES (J1) - If limited slip differential fitted use Limsip 90, (Q3) - Selespeed (electro-hydraulic) control unit use LHM Plus, 0.6L (R2) - ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed use ATF DX-VI, 7 speed autos, refer to dealer

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
AUDI														
5E	1978-1979	HPR 30	4.5	Manual Gear Oil 80	2.0	ATF DX-II	3.0	—	—	—	—	Limslip 90	1.0	—
80 and Super 90	1967-1970	HPR 30	3.0	Manual Gear Oil 80	2.0	—	—	—	—	—	—	Combined Transmission	—	—
80 Series 2.6L, 2.8L	1992-1995	HPR 15	5.0	SIN Gear Oil 75	2.5	ATF DX-II	3.1	—	—	SIN Gear Oil 75	0.8	SIN Gear Oil 75	0.8	LHM Plus (Q2)
80 Series, 1.8L	1986-1995	HPR 15	3.0	SIN Gear Oil 75	—	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	—	LHM Plus
80 Series, 1.9L, 2.0L	1988-1995	HPR 15	3.0	SIN Gear Oil 75	—	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	—	LHM Plus
80 Series, 2.3L	1988-1992	HPR 15	4.5	SIN Gear Oil 75	—	—	—	—	—	—	—	Hypoid 80W-90	—	LHM Plus
90 Quattro 20V, 2.3L	1989-1991	HPR 15/SIN 15	4.5	SIN Gear Oil 75	—	—	—	—	—	Combined Transmission	—	SIN Gear Oil 75	0.8	LHM Plus (Q2)
90, 90 Sport, 2.3L	1989-1992	HPR 15/SIN 15	3.5	SIN Gear Oil 75	—	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	—	LHM Plus
100 2.6L, 2.8L, Quattro	1992-1994	HPR 15	5.0	—	—	ATF DX-II	3.0	—	—	SIN Gear Oil 75	—	SIN Gear Oil 75	1.7/1.2	LHM Plus
100 5E	1978-1983	HPR 30	4.5	Manual Gear Oil 80	2.5	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	1.0	—
100 SE, 5+5, 2.1L, 2.2L, 2.3L	1980-1991	HPR 30	4.5	Manual Gear Oil 80	2.5	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	1.0	LHM Plus
100GL	1974-1977	HPR 30	3.5	Manual Gear Oil 80	2.5	ATF DX-II	3.1	—	—	—	—	Hypoid 80W-90	1.4/1.0	—
100LS	1970-1973	HPR 30	3.0	Manual Gear Oil 80	2.0	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	1.4/1.0	—
200, 200T	1982-1991	HPR 30	4.5	—	—	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	1.0	LHM Plus
A3 Series	1997-2005	HPR 10/SIN 5	4.5	SIN Gear Oil 75	2.0	(R2)	3.0	—	—	—	—	Combined Transmission	—	LHM Plus
A4 Series 1.8L, 1.8T (Manual/Auto)	1995-2004	HPR 10/SIN 5	3.9/3.5	SIN Gear Oil 75	2.3/2.8	(R2, Y2)	—	—	—	Combined Transmission	—	SIN Gear Oil 75	1.9	LHM Plus
A4 Series 2.6L/2.8L	1995-2004	HPR 10/SIN 5	5.0/5.5	SIN Gear Oil 75	2.4	(R2, Y2)	3.0/2.6	—	—	Combined Transmission	—	SIN Gear Oil 75	1.3/0.8	LHM Plus
A4T/A4/Quattro, 2.4L	1999-2004	HPR 10/SIN 5	6.0	—	—	(R2, Y2)	2.6	—	—	SIN Gear Oil 75	0.8	SIN Gear Oil 75	0.9	LHM Plus
A4 2.0L TDI Multitronic	2004-2005	HPR Diesel 5	—	—	—	Refer Dealer	4.5-5.0	—	—	—	—	Combined Transmission	—	LHM Plus
A4 2.0L TDI Multitronic	2006-2007	HPR 0 (H4)	—	—	—	Refer Dealer	4.5-5.0	—	—	—	—	Combined Transmission	—	LHM Plus
A4 2.0L/2.0L Turbo	2004-2007	HPR 5/SIN 0	—	SIN Gear Oil 75 (U1)	—	ATF DX-VI (A4)	—	—	—	—	—	Combined Transmission	—	LHM Plus
A4 3.0L Multitronic	2004-2007	HPR 5/SIN 0	—	—	—	Refer Dealer	—	—	—	—	—	Combined Transmission	—	LHM Plus
A4 3.0L TDI Quattro Tiptronic	2004-2005	HPR Diesel 5	—	—	—	ATF DX-VI	9.8	—	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A4 3.0L TDI Quattro Tiptronic	2006-2007	HPR 0 (H4)	—	—	—	ATF DX-VI	9.8	—	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A4 3.2L FSI Quattro Tiptronic	2004-2007	HPR 5/SIN 0	—	—	—	ATF DX-VI	9.8	—	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A4 Cabriolet 1.8T FSI Multitronic	2004-2007	HPR 10/SIN 5	3.5	—	—	Refer Dealer	—	—	—	—	—	Combined Transmission	—	LHM Plus
A4 Cabriolet 3.2L FSI Multitronic	2004-2007	HPR 10/SIN 5	—	—	—	Refer Dealer	—	—	—	—	—	Combined Transmission	—	LHM Plus
A6 2.4L V6 including Quattro	1997-2004	HPR 5/SIN 0	6.0	SIN Gear Oil 75	—	(R2, Y2)	2.6	SIN Gear Oil 75	0.8	SIN Gear Oil 75	—	SIN Gear Oil 75	1.7/1.2	LHM Plus
A6 2.6L, Quattro	1994-1997	HPR 10	5.0	—	—	(R2)	2.7	—	—	Transaxle 75 (F3)	0.8	SIN Gear Oil 75	1.0	LHM Plus
A6 2.7L TDI	2004-2005	HPR Diesel 5	—	SIN Gear Oil 75 (U1)	—	ATF DX-VI (A4)	9.8	—	—	—	—	Combined Transmission	—	LHM Plus
A6 2.7L TDI	2006-2007	HPR 0 (H4)	—	SIN Gear Oil 75 (U1)	—	ATF DX-VI (A4)	9.8	—	—	—	—	Combined Transmission	—	LHM Plus
A6 2.8L	1997-2005	HPR 10/SIN 5	5.0	—	—	(R2, Y2)	2.7	—	—	—	—	SIN Gear Oil 75	0.7	LHM Plus
A6 2.8L Quattro Avant	1997-2002	HPR 10/SIN 5	5.0	—	—	(R2)	2.7	—	—	SIN Gear Oil 75	0.7	SIN Gear Oil 75	1.2	LHM Plus
A6 3.0L Multitronic	2004-2007	HPR 5/SIN 0	—	—	—	Refer Dealer	—	—	—	—	—	Combined Transmission	—	LHM Plus
A6 3.0L TDI Quattro Tiptronic	2004-2005	HPR Diesel 5	—	—	—	ATF DX-VI	9.8	—	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A6 3.0L TDI Quattro Tiptronic	2006-2007	HPR 0 (H4)	—	—	—	ATF DX-VI	9.8	—	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A6 3.2L Quattro	2004-2007	HPR 5/SIN 0	—	—	—	ATF DX-VI	—	Transaxle 75	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A6 4.2L Quattro	2004-2007	HPR 5/SIN 0	—	—	—	ATF DX-VI	—	Transaxle 75	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A8 3.7L Quattro Sport	2004-2007	HPR 5/SIN 0	—	—	—	ATF DX-VI	—	Transaxle 75	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A8 4.2L Quattro Sport	2004-2007	HPR 5/SIN 0	—	—	—	ATF DX-VI	—	Transaxle 75	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A8 6.0L W12 Quattro Sport	2004-2007	HPR 5/SIN 0	—	—	—	ATF DX-VI	—	Transaxle 75	—	Combined Transmission	—	Transaxle 75	—	LHM Plus
A8	1994-1997	HPR 10	5.0	—	—	ATF BMW	7.0	—	—	Transaxle 75 (F3)	1.5	SIN Gear Oil 75	1.5	LHM Plus
A8	1997-2004	HPR 10/SIN 5	5.0	—	—	(R2)	3.0	—	—	—	—	SIN Gear Oil 75	0.7	LHM Plus
A8 Quattro	1995-2004	HPR 10/SIN 5	7.5	—	—	(R2)	9.7	—	—	Transaxle 75 (F3)	0.7	SIN Gear Oil 75	1.5	LHM Plus
Allroad - diesel	2000-2006	HPR Diesel 5	—	SIN Gear Oil 75	3.6	(R2)	—	Refer to Dealer	—	SIN Gear Oil 75 (F3)	—	SIN Gear Oil 75	1.0	LHM Plus
Allroad - petrol 2.7L/4.2L	2000-2006	HPR 5/SIN 0	6.0/7.5	SIN Gear Oil 75	3.6	(R2)	—	Refer to Dealer	—	SIN Gear Oil 75 (F3)	—	SIN Gear Oil 75	1.0	LHM Plus
Fox	1974-1979	HPR 30	2.5	Manual Gear Oil 80	1.6	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	1.7/0.8	LHM Plus
Q7 Diesel	2006-2007	HPR 0 (H4)	—	—	—	ATF DX-VI	—	—	—	Refer to Dealer	—	Refer to Dealer	—	LHM Plus
Q7 Petrol	2006-2007	HPR 0 (H4)	—	—	—	ATF DX-VI	—	—	—	Refer to Dealer	—	Refer to Dealer	—	LHM Plus
RS4, S8	2003-2005	HPR 5/SIN 0	—	SIN Gear Oil 75	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	LHM Plus

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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AUDI (Cont'd)

S2 Coupe	1993-1996	HPR 10/SIN 10	4.5	SIN Gear Oil 75	—	—	—	—	—	Combined Transmission	—	SIN Gear Oil 75	0.8	LHM Plus
S3	1999-2001	HPR 10/SIN 5	4.5	SIN Gear Oil 75	2.7	—	—	—	—	—	—	SIN Gear Oil 75	—	LHM Plus
S4	1993-1995	HPR 15/SIN 10	4.5	SIN Gear Oil 75	2.6	—	—	—	—	Combined Transmission	—	SIN Gear Oil 75	1.5	LHM Plus
S4	2001-2005	HPR 10/SIN 5	6.0	SIN Gear Oil 75	2.8	(R2)	—	—	—	—	—	SIN Gear Oil 75	1.9	LHM Plus
S6, Quattro	1999-2005	HPR 5/SIN 0	7.6	SIN Gear Oil 75	—	—	—	—	—	—	—	SIN Gear Oil 75	—	LHM Plus
TT 3.2V6 Quattro DSG	2003-2006	HPR 5/SIN 0	5.5	—	—	ATF BMW	7.2	—	—	—	—	Transaxle 75	—	LHM Plus
TT Roadster/Coupe	1999-2003	HPR 5/SIN 0	3.5	Transaxle 75	2.6	—	—	—	—	—	—	Transaxle 75	—	LHM Plus
V8 Quattro	1990-1992	HPR 15/SIN 10	8.0	—	—	—	—	—	—	SIN Gear Oil 75	0.5	SIN Gear Oil 75	1.7	LHM Plus

NOTES (A4) – Tiptronic transmission only. If fitted with Multitronic transmission, refer to dealer, (F3) – with auto only, (Q2) – 2.6E 93-95 and 90 Quattro 20V with central hydraulic system including power steering use LHM Plus, (R2) – ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed use ATF DX-VI, 7 speed autos, refer to dealer, (U1) – DSG (and other automated manual) transmission use ATF BMW, for conventional 6 speed manual use Manual Gear Oil 70, (Y2) – CVT Refer to Dealer.

AUSTIN/MORRIS

Maestro Van	1987-1991	HPR 30	3.8	Manual Gear Oil 80	1.5	—	—	—	—	—	—	Combined Transmission	—	—
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AUSTIN

X6 Tasman and Kimberley, Mark II, manual	1970-1973	HPR 30	10.0	Combined with crankcase	—	—	—	—	—	—	—	Combined with crankcase	—	—
X6 Tasman and Kimberley, automatic	1970-1973	HPR 30	6.8/5.7	—	—	ATF 33	7.4/8.4	—	—	—	—	Combined Transmission	—	—

BEDFORD

CA, CAL Van	—	HPR 30	3.4	Hypoid 80W-90	0.5	—	—	—	—	—	—	Hypoid 80W-90	0.7	—
CF	1975-1981	HPR 40	3.4	Hypoid 80W-90	2	ATF DX-II	1.7	—	—	—	—	Hypoid 80W-90	1.7	—
DAF 400 Series	1990-1991	Euro 15	6.0	Euro 15	—	—	—	—	—	—	—	Hypoid 80W-90	—	—
HA Van	—	HPR Diesel	2.5	Hypoid 80W-90	1.1/1.4	—	—	—	—	—	—	Hypoid 80W-90	2.1	—

BENTLEY

T, T2 Series, 3 speed automatic	1968-1985	HPR 30	8.2	—	—	ATF DX-II	4.5/13.6	—	—	—	—	Hypoid 80W-90	2.5	—
Camargue, Comiche	1976-1985	HPR 30	9.4/9.9	—	—	ATF DX-II	10.6	—	—	—	—	Hypoid 80W-90	2.6	Power Steering Fluid/ATF Top Up (P3)
Continental GT, Arnage T	2000-2006	HPR 10	—	—	—	(R2)	—	—	—	—	—	Refer to Dealer	—	Penrite SSF

NOTES (P3) – Steering rack use Hypoid 80W-90, (R2) – ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer

BMW

116i 1.6L	2006-2007	HPR 5/HPR 0/SIN 0	4.3	(A1)	1.0/2.3	—	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
118i/120i 2.0L	2006-2007	HPR 5/HPR 0/SIN 0	4.3	(A1)	1.0/2.3	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
120d diesel	2006-2007	HPR 0 (H4)	5.5	—	—	ATF DX-VI	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
130i 3.0L	2006-2007	HPR 5/HPR 0/SIN 0	6.5	(A1)	1.0/2.3	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
3.0S/Si/CS/CSi-3.0L, BW Auto	1972-1975	HPR 30	5.0	Small Engine Mono SAE 30 (C4)	1.1	ATF DX-II	7.2	—	—	—	—	Hypoid 80W-90	1.5	—
3.0S/Si/LA-3.0L, ZF Auto	1976-1978	HPR 30	5.0	Small Engine Mono SAE 30 (C4)	1.1	ATF DX-II	2.0	—	—	—	—	Hypoid 80W-90	1.5	—
3.3L BW 65 Auto	1974-1975	HPR 30	5.0	—	—	ATF DX-II	7.8	—	—	—	—	Hypoid 80W-90	1.5	—
316i	1995-1999	HPR 10	4.0	Manual Gear Oil 75	1.1	ATF DX-II	3.0	—	—	—	—	SIN Gear Oil 75	1.1	Power Steering Fluid/ATF Top Up
316i	2000-2004	HPR 5/SIN 0	4.0	(A1)	1.1	(B1, R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.1	Penrite SSF
316i/Gi, 318i (N45, E90)	2005-2007	HPR 5/SIN 0	—	(A1)	—	ATF BMW	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
318i	1980-1985	HPR 30	3.8	Manual Gear Oil 75	1.0	ATF DX-II, (R2)	2.8	—	—	—	—	Linslip 90	1.0	Power Steering Fluid/ATF Top Up
318i (E46)	1998-2004	HPR 5/SIN 0	4.0	(A1)	—	(B1, R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
318i/318iS	1986-1992	HPR 15	4.0/4.8	Manual Gear Oil 80	1.0	(B1, R2)	3.0	—	—	—	—	Hypoid 80W-90	0.9	Penrite SSF
318i/318iS	1993-1998	HPR 10	4.0/4.8	(A1)	1.0	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	0.9	Penrite SSF
320, 320i 4 cylinder	1976-1980	HPR 30	4.0	Small Engine Mono SAE 30 (C4)	1.0	ATF DX-II, (R2)	2.8	—	—	—	—	Hypoid 80W-90	1.0	—
320d (E90/E91)	2006-2007	HPR 0 (H4)	5.5	(A1)	1.0-2.3	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
320i	1980-1988	HPR 30	4.8	Manual Gear Oil 75	1.4	(B1, R2)	3.0	—	—	—	—	Hypoid 80W-90	0.9	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
BMW (Cont'd)														
320i	1988-1990	HPR 15	4.3	(A1)	1.1	ATF DX-II	3.0	—	—	—	—	SIN Gear Oil 75	0.9	Power Steering Fluid/ATF Top Up
320i	1991-1996	HPR 15	6.5	(A1)	1.0	(B1, R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.1	Power Steering Fluid/ATF Top Up
320i, 6 cylinder	1978-1988	HPR 30	4.8	Manual Gear Oil 75	1.4	(B1, R2)	3.0	—	—	—	—	Hypoid 80W-90	0.9	Power Steering Fluid/ATF Top Up
320i (E36)	1997-1999	HPR 10	6.5	(A1)	1.1	ATF BMV	3.0	—	—	—	—	SIN Gear Oil 75	—	(D1)
320i (E46)	2000-2002	HPR 5/SIN 0	6.5	(A1)	—	ATF BMV	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
320i (E90)	2006-2007	HPR 5/HPR 0/SIN 0	4.3	(A1)	1.0/2.3	ATF DX-VI	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
323i	1979-1985	HPR 30	4.0	Manual Gear Oil 80	1.0	ATF DX-II	2.0/2.8	—	—	—	—	Limitslip 90	1.0	Power Steering Fluid/ATF Top Up
323i (E46)	1996-2004	HPR 10/SIN 5	6.5	(A1)	1.2	ATF DX-II, (R2)	3.3	—	—	—	—	SIN Gear Oil 75	1.7	Penrite SSF
323i Coupe (E90/E91)	2006-2007	HPR 5	6.5	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
325i (E46)	2001-2006	HPR 5	6.5	(A1)	1.0/2.3	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
325i	1991-1995	HPR 15	6.5	(A1)	1.2	(B1, R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
325i/325iS	1986-1991	HPR 15	4.3	(A1)	1.3	(B1, R2)	3.0	—	—	—	—	Limitslip 90	1.7	Power Steering Fluid/ATF Top Up
325i and 330i (E90), including 325i Coupe	2006-2007	HPR 5/HPR 0/SIN 0	6.5	(A1)	1.0/2.3	ATF DX-VI	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
325i (E46)	2000-2004	HPR 5/SIN 0	6.5	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
335i Coupe	2006-2007	HPR 5/HPR 0/SIN 0	—	(A1)	—	ATF DX-VI	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
328i	1995-1998	HPR 10	6.5	Manual Gear Oil 80	1.0	ATF DX-II, (R2)	3.3	—	—	—	—	SIN Gear Oil 75	1.1	Power Steering Fluid/ATF Top Up
328i (E46)	1998-2005	HPR 10/SIN 5	6.5	Manual Gear Oil 80	1.0	(B1, R2)	3.3	—	—	—	—	SIN Gear Oil 75	1.1	Power Steering Fluid/ATF Top Up
330i, 330 Ci (E46)	2000-2006	HPR 5/SIN 0	6.5	(A1)	—	(B1, R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
330i (E90/E91)	2005-2007	HPR 5/SIN 0	6.5	(A1)	1.0-2.3	ATF BMV	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
520i, 520i 4cyl	1973-1978	HPR 30	4.0	Small Engine Mono SAE 30 (C4)	1.0/1.4	ATF DX-II	1.8	—	—	—	—	Hypoid 80W-90	1.5	(Y3)
520d (E60/E61)	2005-2007	HPR 0 (H4)	5.5	(A1)	—	ATF BMV	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
520i	1983-1985	HPR 30	4.0	Manual Gear Oil 80	1.0	ATF DX-II	2.0/2.8	—	—	—	—	Hypoid 80W-90	1.5	Power Steering Fluid/ATF Top Up
520i	1990-1996	HPR 15	5.5	(A1)	1.3	ATF DX-II, (R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.7	—
523i	1996-2000	HPR 10/SIN 5	6.5	Manual Gear Oil 75	1.8	(B1, R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.0	Power Steering Fluid/ATF Top Up
525	1974-1975	HPR 30	5.0	Small Engine Mono SAE 30 (C4)	1.1/1.4	ATF DX-II	1.8/2.0	—	—	—	—	Limitslip 90	1.6	—
525e, 525i (E28)	1986-1990	HPR 30	4.3	Manual Gear Oil 80	1.3	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	1.7	(Y3)
525i	1990-1996	HPR 15	5.5	—	1.0	ATF DX-II, (R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
525i (E60/E61)	2006-2007	HPR 5/HPR 0/SIN 0	6.5	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
528 Manual or BW 65 Automatic	1974-1975	HPR 30	5.0	Small Engine Mono SAE 30 (C4)	1.1	ATF DX-II	7.8	—	—	—	—	Hypoid 80W-90	1.5	—
528i, 528i (E28)	1980-1985	HPR 30	5.0	Manual Gear Oil 80	1.4	ATF DX-II	2.0	—	—	—	—	Limitslip 90	1.5	(Y3)
528i (E28)	1996-2003	HPR 10	6.5	Manual Gear Oil 75	1.8	(B1, R2)	—	—	—	—	—	SIN Gear Oil 75	1.0	Power Steering Fluid/ATF Top Up
530d (E60/E61)	2005-2007	HPR 0 (H4)	8.3	(A1)	—	ATF BMV	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
530i	1993-1996	HPR 15	7.5	—	—	ATF DX-II, (R2)	3.3	—	—	—	—	SIN Gear Oil 75	1.7	(C1)
530i	2001-2003	HPR 5/SIN 0	6.5	Filled for life	—	Filled for life, (R2)	—	—	—	—	—	Filled for Life	—	Penrite SSF
530i (E61)	2006-2007	HPR 5/SIN 0	6.5	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
535i	1986-1993	HPR 15	5.8	—	—	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	1.8	Penrite SSF
535i	1996-2003	HPR 10	7.5	—	—	(B1, R2)	—	—	—	—	—	SIN Gear Oil 75	1.2	(C1)
535iS	1989-1990	HPR 15	5.8	Manual Gear Oil 80	1.3	ATF DX-II	3.0	—	—	—	—	SIN Gear Oil 75	1.9	(C1)
540i	1993-1996	HPR 15	7.5	(A1)	—	Filled for life, (R2)	—	—	—	—	—	SIN Gear Oil 75	1.9	Penrite SSF
540i	1996-2003	HPR 10/SIN 5	7.5	(A1)	—	(B1, R2)	—	—	—	—	—	SIN Gear Oil 75	1.2	Penrite SSF
540i (E60)	2006-2007	HPR 5/HPR 0/SIN 0	8.0	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
550i (E60/E61)	2006-2007	HPR 5/HPR 0/SIN 0	8.0	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
633 CSI	1977-1980	HPR 30	5.0	—	—	ATF DX-II	2.0	—	—	—	—	Limitslip 90	1.5	—
635CSi	1986-1988	HPR 15	5.8	Manual Gear Oil 80	1.4	ATF DX-II	3.0	—	—	—	—	Limitslip 90	1.7	Power Steering Fluid/ATF Top Up
650G	2006-2007	HPR 5/SIN 0	8.0	SIN Manual Trans	—	ATF DX-VI	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
730i	1990-1992	HPR 15	5.8	—	—	ATF DX-II	3.0	—	—	—	—	SIN Gear Oil 75	1.7	(Y3)
730iL	1992-1994	HPR 15	7.5	—	—	ATF DX-II	3.0	—	—	—	—	SIN Gear Oil 75	1.7	(D1)
733i	1978-1983	HPR 30	5.0	—	—	ATF DX-II	2.8	—	—	—	—	Limitslip 90	1.8	(Y3)
735i, 735iL (E32)	1987-1991	HPR 15	5.8	—	—	(B1, R2)	3.0	—	—	—	—	SIN Gear Oil 75	1.8	(Y3)
735i, 735iL, 740iL, 750iL (E32)	1992-2002	HPR 10/SIN 5	7.5	—	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	1.9	(D1)

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
BMW (Cont'd)														
750i (E38)	1995-2002	HPR 10/SIN 5	8.0	—	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	1.9	Penrite SSF
735i, 735iL, 745i, 745iL (E65/E66)	2002-2006	HPR 5/SIN 0	8.0	—	—	Filled for life, (R2)	—	—	—	—	—	SIN Gear Oil 75	1.9	Penrite SSF
760/760Li (E65/E66)	2002-2007	HPR 5/SIN 0	8.5/8.0	(A1)	—	(R2)	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
840i, 850i, 850G	1990-1998	HPR 10	7.5	(A1)	2.3	(B1, R2)	3.5	—	—	—	—	SIN Gear Oil 75	1.9	(D1)
1600, 1602, 1800/Ti	1962-1973	HPR 30	4.0	Small Engine Mono SAE 30 (C4)	1.4	ATF DX-II	2.6	—	—	—	—	Hypoid 80W-90	0.8/1.3	—
2000/Ti, 2000CS, 2002/Ti	1968-1975	HPR 30	4.0	Small Engine Mono SAE 30 (C4)	1.0	ATF DX-II	2.6	—	—	—	—	Hypoid 80W-90	0.8/1.3	—
2500, 2800 and 2800CS	1969-1975	HPR 30	5.0	Small Engine Mono SAE 30 (C4)	1.1	ATF DX-II	1.8	—	—	—	—	Hypoid 80W-90	1.5	—
M Coupe, M Roadster (E36)	2001-2006	SIN 5	5.5	(A1)	—	ATF BMW	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
M3 (E36)	1992-1998	HPR 10/SIN 5	4.4	(A1)	1.2	(B1)	—	—	—	—	—	SIN Gear Oil 75	—	PAS Fluid
M3 (E46)	1999-2006	SIN 0	5.5	(A1)	—	ATF BMW	1.8	—	—	—	—	SIN Gear Oil 75	1.9	Penrite SSF
M5	1990-1996	HPR 10/SIN 5	5.7	(A1)	1.3	—	—	—	—	—	—	SIN Gear Oil 75	1.9	(D1)
M5 (E39)	1998-2001	SIN 5	7.5	(A1)	—	ATF BMW	1.8	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
M5 (E60)	2006-2007	SIN 5	9.3	SIN Manual Trans	2.6	—	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
M535i	1986-1988	HPR 15/SIN 10	5.8	Manual Gear Oil 80	1.6	—	—	—	—	—	—	Limslip 90	1.7	(C1)
M6 Coupe (E63)	2006-2007	SIN 5	9.3	SIN Manual Trans	2.6	—	—	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
X-3 diesel	2004-2005	HPR Diesel 5	7.5	Manual Gear Oil 75	—	ATF BMW	—	Refer to Dealer	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	(D1)
X-3 diesel	2006-2007	HPR 0 (H4)	7.5	Manual Gear Oil 75	—	ATF BMW	—	Refer to Dealer	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	(D1)
X-3 petrol 2.5L/3.0L	2004-2006	HPR 5/SIN 0	6.2	Manual Gear Oil 75	—	ATF BMW	—	Refer to dealer	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	(D1)
X-5 petrol 4.4L/4.8L	2000-2006	HPR 5/SIN 0	8.0	Manual Gear Oil 75	—	(R2)	—	Refer to dealer	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	(D1)
X-5 diesel	2002-2005	HPR Diesel 5	7.0	Manual Gear Oil 75	—	(R2)	—	Refer to dealer	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	(D1)
X-5 diesel	2006-2007	HPR 0 (H4)	7.0	Manual Gear Oil 75	—	(R2)	—	Refer to Dealer	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	(D1)
Z1 Roadster	1985-1987	HPR 15/SIN 10	4.3	(A1)	1.3	ATF BMW	—	—	—	—	—	SIN Gear Oil 75	—	(D1)
Z3, 1.9L/2.8L	1997-2003	HPR 5/SIN 0	5.0/6.5	(A1)	1.1	ATF DX-II, (R2)	3.0	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
Z4 2.5L/3.0L	2003-2006	HPR 5/SIN 0	6.5	(A1)	—	ATF BMW	3.0	—	—	—	—	SIN Gear Oil 75	—	Penrite SSF
Z8	1999-2001	HPR 5/SIN 0	7.5	(A1)	1.8	ATF BMW	—	—	—	—	—	SIN Gear Oil 75	—	(D1)

NOTES (A1) – No label on transmission use Manual Gear Oil 80, orange label use ATF Synthetic/ATF BMW, green label 'Special Oil' use Manual Gear Oil 75, yellow label 'MTF-LT-1' use Manual Gear Oil 75, yellow label 'MTF-LT-2' or blue label, use Manual Gear Oil 70. (B1) – THMR1 with black or green sticker, 5HP-18 with black sticker and GM 4/5 use ATF DX-III/ATF BMW. (C1) – If fitted with self levelling suspension use LHM Plus (C4) – May also use SIN Manual Trans. (D1) – If not fitted with self levelling suspension use Power Steering Fluid/ATF Top Up, if fitted with self levelling suspension use Penrite SSF. (H4) – Sole recommendation for engine (R2) – ZF 4HP and 5HP autos specifying IT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed use ATF DX-VI, 7 speed autos, refer to dealer. (Y3) – Self levelling suspension and power steering use Penrite PAS Fluid

BUICK

Riveria, Skylark, Centurion, Electra, Le Sabre	1965-1977	HPR 40	3.8	Hypoid 80W-90	1.5	ATF DX-II	—	—	—	—	—	Hypoid 80W-90 (J1)	—	(J1)
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NOTES (J1) – If limited slip differential fitted use Limslip 90

CADILLAC

All except Eldorado	1965-1978	HPR 30	3.8	—	—	ATF DX-II	—	—	—	—	—	Hypoid 80W-90 (J1)	—	—
CTS 2.8L/3.6L	2006-2007	HPR 5/SIN 0	5.7	Transaxle 75	1.8	ATF DX-III	9.0	—	—	—	—	—	—	Power Steering Fluid
CTS V 6.0L	2006-2007	HPR 5/SIN 0	5.7	Manual Gear Oil 70	3.5	ATF DX-III	9.0	—	—	—	—	—	—	Power Steering Fluid
Eldorado	1967-1978	HPR 30	3.8/4.7	—	—	ATF DX-II	—	—	—	—	—	Hypoid 80W-90 (J1)	2.0	—

NOTES (J1) – If limited slip differential fitted use Limslip 90

CHEVROLET

Bel Air, Impala, Caprice, Camaro, 350V8, Malibu	1963-1976	HPR 40	3.8	Hypoid 80W-90	—	ATF DX-II	—	—	—	—	—	Hypoid 80W-90 (J1)	—	—
C20, C30	1975-1981	HPR 40	4.7/3.8	Hypoid 80W-90	3.8	ATF DX-II	3.7	—	—	—	—	Hypoid 80W-90 (J1)	2.5	—
C50, C60	1976-1979	HPR 40	4.7	Hypoid 80W-90	3.8/4.2	—	—	—	—	—	—	Hypoid 80W-90 (J1)	9.5	—
Caprice	1980-1983	HPR 40	3.8	—	—	ATF DX-II	—	—	—	—	—	Hypoid 80W-90 (J1)	1.5/1.9	Power Steering Fluid/ATF Top Up
Corvette	1997-2005	HPR 5/SIN 0	6.1	ATF Synthetic	3.8	ATF DX-III	4.7/10.2	—	—	—	—	SIN Gear Oil 80	—	PAS Fluid
Corvette 6.0L, CoreVette Z06 7.0L	2005-2007	HPR 5/SIN 0	5.7/7.6	Manual Gear Oil 70	3.9	ATF DX-VI	11.8	—	—	—	—	SIN Gear Oil 80	—	PAS Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
CHEVROLET (Cont'd)														
K20 4x4	1978-1981	HPR 40	4.7/3.8	Hypoid 80W-90	3.8	ATF DX-II	2.3	See note (J2)	2.4	Hypoid 80W-90	2.4	Hypoid 80W-90 (J1)	2.5	--
KB 20 (LUV)	1972-1977	HPR 30	4.0/4.6	HPR 30	1.3	--	--	--	--	--	--	Hypoid 80W-90	1.3	--
350 V8, Australian	1972-1974	HPR 40	4.0	--	--	ATF DX-II	3.7	--	--	--	--	Hypoid 80W-90 (J1)	1.4	--

NOTES (J1) - If limited slip differential fitted use Limslip 90, (J2) - Use Hypoid 80W-90 if automatic transmission fitted, Full time 4WD use HPR 10

CHRYSLER (FOR CHRYSLER JEEP, SEE JEEP)

300C 3.0L CRD diesel	2006-2007	HPR Diesel 5	--	--	--	ATF BMW	5.0	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid
300C 3.5L V6	2006-2007	HPR 5/SIN 0	5.7	--	--	ATF BMW	5.0	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid
300C 5.7L V8	2006-2007	HPR 5/SIN 0	6.6	--	--	ATF BMW	5.0	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid
300C SRT-8 6.1L V8	2006-2007	SIN 0/HPR 0	6.6	--	--	ATF BMW	5.0	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid
Centura KB, 2.0L	1975-1978	HPR 30	3.5	Small Engine Mono SAE 30 (C4)	1.3	ATF DX-II	8.1	--	--	--	--	Hypoid 80W-90	1.3	--
Centura KB, KC 3.5L/4.0L	1975-1978	HPR 40	4.2	Small Engine Mono SAE 30 (C4)	1.8	ATF DX-II	8.1	--	--	--	--	Hypoid 80W-90	1.3	--
CH, CI Series, 4.3L/5.9L	1971-1975	HPR 40	3.5/3.8	--	--	ATF DX-II	8.1/7.5	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
CL, CM Series	1976-1981	HPR 40	3.5	Small Engine Mono SAE 30 (C4)	1.8	ATF DX-II	8.0	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Crossfire 3.2L, SRT-6	2004-2006	HPR 5/SIN 0	8.0	Manual Gear Oil 75	1.8	ATF BMW	8.0	--	--	--	--	SIN Gear Oil 80	1.3	Penrite SSF
Neon	1999-2003	HPR 10	4.3	Manual Gear Oil 75	--	ATF Synthetic/SIN Auto	6.1	--	--	--	--	Combined Transmission	--	PAS Fluid
PT Cruiser 2.0L	2000-2005	HPR 10/SIN 15	4.3	Transaxle 75	2.4	ATF Synthetic	3.8	--	--	--	--	Combined Transmission	--	PAS Fluid
PT Cruiser 2.4L	2006-2007	HPR 5/SIN 15	4.8	Manual Gear Oil 75	2.4/2.7	ATF Synthetic	3.8/8.8	--	--	--	--	Combined Transmission	--	PAS FluidSigma, Scorpion, Galant, Lancer
Sebring 2.4L/2.7L	2006-2007	HPR 5/SIN 0	4.7	--	--	ATF Synthetic	3.8	--	--	--	--	--	--	PAS Fluid
Sigma, Scorpion, Galant, Lancer - refer to Mitsubishi														
Viper (GTS, RT/10)	1996-2004	SIN 0	9.5	Refer to Dealer	3.8	--	--	--	--	--	--	SIN Gear Oil 80	--	PAS Fluid
Voyager, Grand Voyager GS, RG (including 4WD)	1997-2006	HPR 10	3.8/4.3	Manual Gear Oil 75	--	ATF Synthetic	8.6	Transaxle 75	1.2	Combined Transmission	--	Transaxle 75 (4WD Only)	0.7	PAS Fluid

NOTES (C4) - May also use SIN Manual Trans, (J1) - If limited slip differential fitted use Limslip 90.

CITROEN

2CV6	1974-1990	HPR 30	2.7	Transaxle 75	0.9	--	--	--	--	--	--	Combined Transmission	--	--
AX GT	1990-1993	HPR 15	3.5	Transaxle 75	2.0	--	--	--	--	--	--	Combined Transmission	--	LHM Plus
Berlingo	2000-2006	HPR 10/SIN 5	3.5	Transaxle 75	--	--	--	--	--	--	--	Combined Transmission	--	ATF Top Up/Power Steering Fluid
BX 16TRS, BX 19GT	1983-1987	HPR 30	4.5	Transaxle 75	1.8	ATF DX-II	2.5	--	--	--	--	Combined Transmission	--	LHM Plus
BX16 Valve	1989-1993	HPR 15	5.3	Transaxle 75	1.9	--	--	--	--	--	--	Combined Transmission	--	LHM Plus
BX19TRI, BX19TZI	1987-1993	HPR 15	5.0	Transaxle 75	1.9	ATF DX-II	2.5	--	--	--	--	Combined Transmission	--	LHM Plus
C2	2004-2006	HPR 5/SIN 0	3.2	Transaxle 75	2.0	Refer to Dealer	--	--	--	--	--	Combined Transmission	--	(D1)
C2 Enterprise	2005-2007	HPR 0 (H4)	3.8	Transaxle 75	2.0	--	--	--	--	--	--	Combined Transmission	--	(D1)
C3, C3 Pluriel	2004-2006	HPR 5/SIN 0	3.2	Transaxle 75	2.0	Refer to Dealer	--	--	--	--	--	Combined Transmission	--	(D1)
C3 1.6L 5 speed manual	2006-2007	HPR 5/SIN 0	--	Transaxle 75	--	--	--	--	--	--	--	Combined Transmission	--	Penrite SSF
C4 1.6L/2.0L petrol	2004-2007	HPR 5/SIN 0	3.2/4.3	Transaxle 75	2.0	ATF BMW	--	--	--	--	--	Combined Transmission	--	ATF Top Up
C4 2.0L diesel	2004-2006	HPR Diesel 5	4.5	Transaxle 75	1.9	--	--	--	--	--	--	Combined Transmission	--	ATF Top Up
C4 Coupe VTS 2.0L	2004-2007	HPR 5/SIN 0	5.3	Transaxle 75	1.9	ATF BMW	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
C4 HDi Sequential Manual	2006-2007	HPR 0 (H4)	4.5	Transaxle 75	--	--	--	--	--	--	--	Combined Transmission	--	--
C4 Picasso, petrol	2006-2007	HPR 5/SIN 0	3.2/4.3	Transaxle 75	2.0	ATF BMW	3.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid
C4 Picasso, diesel	2006-2007	HPR 0 (H4)	3.5	--	--	ATF BMW	3.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid
C5, petrol (3.0L)	2001-2006	HPR 10	5.3	Transaxle 75	1.3	(R2)	--	--	--	--	--	Combined Transmission	--	Penrite SSF
C5 2.0L/2.2L diesel	2001-2006	HPR Diesel 5	4.5/4.8	Transaxle 75	1.8	ATF BMW	3.0/5.3	--	--	--	--	Combined Transmission	--	Penrite SSF (L3)
C6 2.7L Tdi	2006-2007	HPR 0 (H4)	4.8/5.3	--	--	(U1)	3.0	--	--	--	--	--	--	Penrite SSF
C6 3.0L V6	2006-2007	HPR 5/SIN 0	4.8/5.3	--	--	(U1)	3.0	--	--	--	--	--	--	Penrite SSF
CX2200, CX2400	1976-1983	HPR 30	4.6	Manual Gear Oil 80	1.6	ATF 33	2.3	--	--	--	--	Combined Transmission	--	--
CX2500IE, CX25 GTI	1984-1986	HPR 30	4.6	Manual Gear Oil 80	1.8	ATF DX-II	2.5	--	--	--	--	Combined Transmission	--	LHM Plus
D Special/Super DS21, DS 19	1969-1975	HPR 30	4.4	Hypoid 80W-90	1.9	--	--	--	--	--	--	Combined Transmission	--	--
DS23	1973-1975	HPR 30	4.5	Manual Gear Oil 80	2.0/2.2	ATF 33	2.5	--	--	--	--	Manual Gear Oil 80	1.2	--

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
CITROEN (Cont'd)														
GS, G Special, GS1220, Club/Pallas	1972-1978	HPR 30	3.5	Manual Gear Oil 80	1.4	ATF 33	1.4	–	–	–	–	Combined Transmission	–	–
Saxo	1997-2003	HPR 10	3.5	Transaxle 75	2.0	ATF DX-II	2.0	–	–	–	–	Combined Transmission	–	ATF Top Up/Power Steering Fluid
Saxo Diesel	1997-2003	HPR Diesel 15	4.7	Transaxle 75	2.0	–	–	–	–	–	–	Combined Transmission	–	ATF Top Up/Power Steering Fluid
Xantia	1994-1998	HPR 10	5.2	Transaxle 75	1.9	ATF DX-II	2.4	–	–	–	–	Combined Transmission	–	LHM Plus
Xantia 1.9TD, diesel	1997-2003	HPR Diesel 15	4.5	Transaxle 75	1.9	–	–	–	–	–	–	Combined Transmission	–	LHM Plus
Xantia V6	1998-2003	HPR 10/SIN 5	5.5	Transaxle 75	–	(R2)	–	–	–	–	–	Combined Transmission	–	LHM Plus
Xantia VSX, Turbo CT	1996-2003	HPR 10/SIN 5	4.3	Transaxle 75	1.9	ATF DX-II	2.4	–	–	–	–	Combined Transmission	–	LHM Plus
XM	1991-1999	HPR 10	7.0	Transaxle 75	–	ATF DX-II	–	–	–	–	–	Combined Transmission	–	LHM Plus
Xsara 1.6L	1998-2004	HPR 10	3.5	Transaxle 75	–	(R2)	–	–	–	–	–	Combined Transmission	–	ATF BMW/Power Steering Fluid
Xsara 1.8L/2.0L	1998-2004	HPR 10	4.2	Transaxle 75	–	(R2)	–	–	–	–	–	Combined Transmission	–	ATF BMW/Power Steering Fluid
ZX Advantage 1.4L	1995-1998	HPR 5	3.5	Transaxle 75	1.9	–	–	–	–	–	–	Combined Transmission	–	ATF Top Up
ZX Aura, Volcanie	1993-1998	HPR 10	5.0	Transaxle 75	2.0	ATF DX-II	2.4	–	–	–	–	Combined Transmission	–	ATF Top Up/Power Steering Fluid
ZX Series (Diesel)	1993-1998	HPR Diesel 15	5.0	Transaxle 75	2.0	ATF DX-II	2.4	–	–	–	–	Combined Transmission	–	ATF Top Up/Power Steering Fluid

NOTES (D1) – If not fitted with self levelling suspension use Power Steering Fluid/ATF Top Up, if fitted with self levelling suspension use Penrite SSF, (H4) – Sale recommendation for engine (L3) – Braking system use Penrite SSF, (R2) – ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer (U1) – DSG (and other automated manual) transmission use ATF BMW, for conventional 6 speed manual use Manual Gear Oil 70

DAF

400 Series	1990-1991	HPR Diesel 15	6.0	Euro 15	–	–	–	–	–	–	–	Hypoid 80W-90	–	–
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DAEWOO

1.5i	1994-1995	HPR 15	3.8	Manual Gear Oil 80	1.8	ATF DX-III	5.6/6.0	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Cielo GL, GLX (3 speed auto/4 speed auto)	1995-1998	HPR 10	3.8	Manual Gear Oil 80	1.8	ATF DX-III	6.5/11.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Espero	1996-1997	HPR 10	4.2	Manual Gear Oil 80	1.8	ATF DX-III	6.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Kalos	2003-2005	HPR 10	3.8	Manual Gear Oil 80	1.8	ATF MHP	2.1	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Lanos	1997-2002	HPR 10	3.8	Manual Gear Oil 80	1.8	ATF DX-III	11.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Lacetti	2004-2005	HPR 10	4.0	Manual Gear Oil 75	1.8	ATF BMW	5.8	–	–	–	–	Combined Transmission	–	ATF BMW/Power Steering Fluid
Leganza	1997-2003	HPR 10	4.0	Manual Gear Oil 80	1.8	ATF DX-III	2.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Matiz	1999-2004	HPR 10	2.7	Manual Gear Oil 75	2.1	ATF MHP	7.0	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Musso, Korando - petrol	1996-2000	HPR 15	8.3	Manual Gear Oil 75	3.4	ATF 95 LE	10.0	Manual Gear Oil 75	–	Hypoid 80W-90	1.3	Hypoid 80W-90	1.4	ATF 95 LE/Power Steering Fluid
Musso, Korando - petrol	2001-2002	HPR 10	8.3	Manual Gear Oil 75	3.4	ATF 95 LE	10.0	Manual Gear Oil 75	–	Hypoid 80W-90	1.3	Hypoid 80W-90	1.4	ATF 95 LE/Power Steering Fluid
Musso - diesel	1996-2002	HPR Diesel 15	10	Manual Gear Oil 75	3.4	ATF 95 LE	10.0	Manual Gear Oil 75	–	Hypoid 80W-90	1.3	Hypoid 80W-90	1.4	ATF 95 LE/Power Steering Fluid
Nubira, Nubira CDX	1997-1999	HPR 10	3.8	Manual Gear Oil 80	1.8	ATF DX-III	11.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Nubira, Nubira CDX	2000-2003	HPR 10	3.8	Manual Gear Oil 80	1.9	ATF DX-III	6.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Tacuma	2000-2004	HPR 10	4.0	Manual Gear Oil 75	1.9	ATF BMW	7.0	–	–	–	–	Combined Transmission	–	ATF BMW/Power Steering Fluid

DAIHATSU

360X Sedan, two stroke	1971-1973	Hi-PER 2 Stroke	3.0 (B2)	Hypoid 80W-90	1.5	–	–	–	–	–	–	Combined Transmission	–	–
Applause	1989-1999	HPR 10	3.5	Transaxle 75	2.2	ATF DX-III	2.5	–	–	–	–	ATF DX-III (auto only)	1.4	Power Steering Fluid/ATF Top Up
Charade Centro	1995-1999	HPR 10	2.3	Transaxle 75	1.6	ATF DX-III	1.5	–	–	–	–	Combined Transmission	–	–
Charade G10, G11 Series	1980-1987	HPR 30	2.7	Manual Gear Oil 80	2.4	ATF 33	4.0	–	–	–	–	Combined Transmission	–	–
Charade G100/G102 Series	1987-1993	HPR 15	2.7/3.6	Transaxle 75	2.2	ATF DX-III	5.0	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Charade G200 and G 203 Series	1993-1999	HPR 10	3.5	Transaxle 75	2.2	ATF DX-III	3.2	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Charade G202 Series	1993-1999	HPR 10	3.0	Transaxle 75	2.2	–	–	–	–	–	–	Combined Transmission	–	–
Charade 1.0L	2003-2004	HPR 10	2.3	Transaxle 75	2.2	ATF DX-III	1.7	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Copen	2003-2004	HPR 5/SIN 0	2.8	Transaxle 75	2.3	–	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Cuore	2000-2003	SIN 15	2.3	Transaxle 75	2.6	ATF DX-III	1.7	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Delta V10,V11,V12 D6/B Diesel	1978-1984	HPR Diesel	5.5	Transaxle 75	3.0	–	–	–	–	–	–	Hypoid 80W-90 (E3)	3	–
Delta V20,V22,V24,V25 D6/B Diesel	1978-1984	HPR Diesel	5.5	Transaxle 75	2.5	–	–	–	–	–	–	Hypoid 80W-90 (E3)	3	–
Delta V24, V25 DL diesel	1978-1984	HPR Diesel	6.3	Transaxle 75	2.5	–	–	–	–	–	–	Hypoid 80W-90 (E3)	2	–

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
DAIHATSU (Cont'd)														
Delta V30, V31, V32	1978-1984	HPR 40	4.8	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V34, V35	1978-1984	HPR 40	4.8	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	2	--
Delta V47, V48, V76, V78, V79 13B diesel	1981-1988	HPR Diesel	7.3	Transaxle 75	3.0	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V50, V52 DL diesel	1978-1984	HPR Diesel	6.3	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V54, V57, V58 DL diesel	1983-1995	HPR Diesel	6.3	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V54, V57, V58 DL diesel	1997-2001	HPR Diesel 15	6.3	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V67, V68	1984-1988	HPR 30	4.2	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V90, V92, V98, V99 B diesel	1981-1993	HPR Diesel	5.4	Transaxle 75	3.2	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V107, V108	1989-1996	HPR 30	4.2	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V107, V108	1997-2001	HPR 15	4.2	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V116, V118, V119 14B diesel	1989-1996	HPR Diesel	7.3	Transaxle 75	3.2	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
Delta V116, V118, V119 14B diesel	1997-2001	HPR Diesel 15	7.3	Transaxle 75	3.2	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3	--
F20 incl Scat	1977-1984	HPR 30	4.2	Transaxle 75	2.2	--	--	Manual Gear Oil 80	1.8	Hypoid 80W-90 (E3)	1.5	Hypoid 80W-90 (E3)	1.5	--
F25	1980-1984	HPR 30	4.2	Transaxle 75	2.2	--	--	Manual Gear Oil 80	1.4	Hypoid 80W-90 (E3)	1.5	Hypoid 80W-90 (E3)	1.5	--
F30, F30D, F40K	1967-1970	HPR 30	2.8	HPR 30	1.0	--	--	--	--	--	--	Hypoid 85W-140	0.8	--
F50 incl Scat, F60 diesel	1979-1984	HPR Diesel	5.5	Transaxle 75	2.0	--	--	Manual Gear Oil 80	1.4	Hypoid 80W-90 (E3)	1.5	Hypoid 80W-90 (E3)	1.5	--
Feroza F300, F310	1989-1996	HPR 30	3.6	Transaxle 75	1.7	ATF DX-II	6.5	Manual Gear Oil 80	1.4	Hypoid 80W-90 (E3)	0.8	Hypoid 80W-90 (E3)	2.2	Power Steering Fluid/ATF Top Up
Feroza F300, F310	1997-1999	HPR 15	3.5	Transaxle 75	1.7	ATF DX-II	6.5	Manual Gear Oil 80	1.4	Hypoid 80W-90 (E3)	0.8	Hypoid 80W-90 (E3)	2.2	Power Steering Fluid/ATF Top Up
L55V, L60V, L80V	1981-1989	HPR 30	2.5	Transaxle 75	1.5	ATF 33	3.6	--	--	--	--	Combined	--	--
L701 Handi Van	1999-2001	HPR 15	2.3	Transaxle 75	2.2	ATF DX-II	1.7	--	--	--	--	Combined	--	Power Steering Fluid/ATF Top Up
Mira/Mira J Series	1990-1995	HPR 15	2.3	Transaxle 75	1.4	ATF DX-III	1.5	--	--	--	--	Combined Transmission	--	--
Move	1997-2003	HPR 10	2.3	Transaxle 75	1.6	ATF DX-III	4.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Pyzar	1997-2002	HPR 10	3.2	Manual Gear Oil 75	2.1	ATF DX-III	3.2	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Rocky diesel/turbo diesel	1984-1999	HPR Diesel	5.5	Transaxle 75	2.7	--	--	Manual Gear Oil 80	1.4	Hypoid 80W-90 (E3)	1.5	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Rocky petrol	1984-1989	HPR 30	3.5	Transaxle 75	2.7	--	--	Manual Gear Oil 80	1.4	Hypoid 80W-90 (E3)	1.5	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
S38V (2 stroke)	1973-1976	Hi-PER 2 Stroke	3.5(B2)	Transaxle 75	0.6	--	--	--	--	--	--	Mild EP Gear Oil (E3)	0.6	--
S40V/T, S65 V/T	1976-1982	HPR 10	2.5	Transaxle 75	0.4	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid
S70V/T	1982-1984	HPR 10	2.7	Transaxle 75	0.7	--	--	--	--	--	--	Hypoid 80W-90 (E3)	0.6	--
S75V, S76, S85V	1984-1990	HPR 10	2.9	Transaxle 75	1.0	--	--	Manual Gear Oil 80	0.7	--	--	Hypoid 80W-90 (E3)	1.2	--
Sirion	1998-2005	SIN 15	2.3	Transaxle 75	2.3	ATF DX-III	1.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Sirion GTVi	2000-2005	SIN 0	3.6	Transaxle 75	2.2	ATF DX-III	1.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Terios HC-EJ 1.3L	1997-2000	HPR 10	3.6	--	--	ATF DX-III	1.7	Manual Gear Oil 80	--	Hypoid 80W-90 (E3)	0.7	Hypoid 80W-90 (E3)	1.6	Power Steering Fluid/ATF Top Up
Terios K3-VE 1.3L	2000-2004	HPR 10	3.2	Transaxle 75	2.2	ATF DX-II	1.5	Manual Gear Oil 80	--	Hypoid 80W-90 (E3)	0.7	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
YRV	2001-2005	SIN 0	3.6	Transaxle 75	2.2	ATF DX-III	1.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up

NOTES (B2) – reservoir capacity, (E3) - May also use Transaxle 75

DAIMLER

Sovereign, 2.8L	1971-1974	HPR 40	6.8	--	--	ATF 33	8.5	--	--	--	--	Linslip 90	1.5	--
Sovereign Double Six	1974-1982	HPR 40	9.1/10.1	--	--	(E1)	--	--	--	--	--	Linslip 90	1.5	Power Steering Fluid/ATF Top Up
Sovereign/Vanden Plas 4.2L	1967-1983	HPR 40	6.8	--	--	ATF 33	9.1/8.2	--	--	--	--	Hypoid 80W-90	1.5	Power Steering Fluid/ATF Top Up
3.6L	1987-1989	HPR 30	8.0	--	--	ATF DX-II	3.0	--	--	--	--	Hypoid 80W-90	2.1	Power Steering Fluid/ATF Top Up
4.0L	1989-1997	HPR 30	8.0	--	--	ATF DX-II	10.2	--	--	--	--	Hypoid 80W-90	2.1	LHM Plus

NOTES (E1) – Borg Warner Type 12 use ATF 33 (9.3L), GM 400 use ATF DX-II (9.0L)

DATSUN – SEE NISSAN

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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DE TOMASO

Deauville	1972-1985	HPR 15/SIN 25	4.0	—	—	ATF DX-II	10.0	—	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Pantera	1972-1980	HPR 15/SIN 25	5.2	Transaxle 75	3.4	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Magnusta	1970	HPR 15/SIN 25	—	Hypoid 80W-90	—	—	—	—	—	—	—	Combined Transmission	—	—

DODGE

106C Utility	—	HPR 40	3.8	SIN Manual Trans	2.3	—	—	—	—	—	—	Hypoid 80W-90	1.3	—
Avenger	2007-	HPR 5/SIN 0	—	—	—	ATF Synthetic	—	—	—	—	—	—	—	PAS Fluid
Caliber, 1.8L petrol	2006-2007	HPR 5/SIN 0	—	Manual Gear Oil 75	—	—	—	—	—	—	—	Combined Transmission	—	PAS Fluid
Caliber, 2.0L petrol	2006-2007	HPR 5/SIN 0	—	—	—	Refer Dealer (CVT)	—	—	—	—	—	Combined Transmission	—	PAS Fluid
Caliber, diesel	2006-2007	HPR 0 (H4)	—	Refer to Dealer	—	—	—	—	—	—	—	Combined Transmission	—	PAS Fluid
Charger 3.5L and 5.7L	2006-2007	HPR 5/SIN 0	5.7	—	—	ATF Synthetic	—	—	—	—	—	SIN Gear Oil 75	—	PAS Fluid
Charger SRT-8 6.1L	2006-2007	HPR 0	6.6	—	—	ATF Synthetic	—	—	—	—	—	SIN Gear Oil 75	—	PAS Fluid
Nitro 2.8L diesel	2007	HPR Diesel 5	—	Manual Gear Oil 70	—	Refer to Dealer	—	Manual Gear Oil 70/ATF Synthetic	1.5/1.8	SIN Gear Oil 80	—	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Nitro 3.7L	2006-2007	HPR 10/SIN 5	4.7	—	—	ATF Synthetic	3.7/4.7	Manual Gear Oil 70/ATF Synthetic	1.5/1.8	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Phoenix	1962-1972	HPR 40	4.7	SIN Manual Trans	1.6	ATF DX-II	10.0	—	—	—	—	Hypoid 80W-90	1.8/1.9	Power Steering Fluid/ATF Top Up
Ram 2500, 3500 5.9L diesel	1999-2006	HPR Diesel 15	10.4	Manual Gear Oil 75	2.0-4.5	ATF Synthetic	3.9/9.5	Manual Gear Oil 75	1.2-3.1	SIN Gear Oil 80	2.1-4.8	SIN Gear Oil 80 (S1)	—	PAS Fluid
Ram 2500, 3500 5.9L V8/8.0L V10 petrol	1999-2006	HPR 5/SIN 5	4.7/6.6	Manual Gear Oil 75	2.0-4.5	ATF Synthetic	3.9/9.5	Manual Gear Oil 75	1.2-3.1	SIN Gear Oil 80	2.1-4.8	SIN Gear Oil 80 (S1)	—	PAS Fluid
VE, VF, VG, VJ, VK Utes	1967-1976	HPR 40	3.8/3.5	SIN Manual Trans	1.7	ATF DX-II	—	—	—	—	—	Hypoid 80W-90	1.3	—
Viper (GTS, RT/10)	1996-2006	SIN 0	9.5	SIN Manual Trans	3.8	—	—	—	—	—	—	SIN Gear Oil 80	—	PAS Fluid

NOTES (H4) – Sole Recommendation for engine (S1) - Add one bottle of Limslip Additive 7098 with each refill if NOT using Penrite SIN Gear Oil 80,

EUNOS

30X	1992-1999	HPR 10/SIN 5	4.0	Transaxle 75	2.7	ATF DX-III/SIN Auto	5.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
500	1992-1999	HPR 10/SIN 5	4.0	Transaxle 75	2.7	ATF DX-III/SIN Auto	8.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
800M 2.3L	1994-1999	HPR 10/SIN 5	4.0	—	—	ATF DX-III/SIN Auto	8.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
800 2.5 L	1994-1999	HPR 10/SIN 5	4.0	—	—	ATF DX-III/SIN Auto	8.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up

FERRARI

308 GTB, G14, 2+2 Dino	1976-1981	HPR 30/SIN 25	11.0	Hypoid 80W-90	4.8	—	—	—	—	—	—	Combined Transmission	—	—
308 GTS, GTBi, GTS Quattrovalve	1976-1984	HPR 30/SIN 25	9.0	Hypoid 80W-90	4.0	—	—	—	—	—	—	Combined Transmission	—	—
360 Modena, 360 Spider, 360 Challenge Stradale	1999-2005	SIN 5/SIN 10	10.0	Transaxle 75	3.5	—	—	—	—	—	—	Combined Transmission	—	PAS Fluid/ATF Top Up (D4)
365 GT 2+2	1969-1971	HPR 30/SIN 25	9.0	Hypoid 80W-90	3.5	—	—	—	—	—	—	Limslip 90	2.5	—
365 GT4 2+2	1974-1977	HPR 30/SIN 25	18.0	Hypoid 80W-90	4.0	—	—	—	—	—	—	Hypoid 80W-90	2.8	—
365 GT4 BB	1974-1977	HPR 30/SIN 25	13.6	Hypoid 80W-90	5.8	—	—	—	—	—	—	Combined Transmission	—	—
365 GTB 4 Daytona	1970-1973	HPR 30/SIN 25	16.0	Transaxle 75	4.5	—	—	—	—	—	—	Combined Transmission	—	—
365 GTC	1969-1971	HPR 30/SIN 25	10.0	Transaxle 75	4.5	—	—	—	—	—	—	Combined Transmission	—	—
365 GTC 4	1972-1974	HPR 30/SIN 25	16.0	Hypoid 80W-90	3.0	—	—	—	—	—	—	Hypoid 80W-90	2.5	—
400/412	1976-1989	HPR 15/SIN 10	18.5/18.0	Transaxle 75	2.8	—	—	—	—	—	—	SIN Gear Oil 75	—	Power Steering Fluid/ATF Top Up
456GT, 456GTA	1994-2000	SIN 5	10.0	Transaxle 75	5.0	ATF DX-III	12.0	—	—	—	—	SIN Gear Oil 80 (F3)	—	PAS Fluid/ATF Top Up (D4)
512TR	1992-1995	SIN 5	15.5	Transaxle 75	9.5	—	—	—	—	—	—	—	—	PAS Fluid/ATF Top Up (D4)
550 Maranello, 575 Maranello	1996-2005	SIN 5	10.0	Transaxle 75	4.5	—	—	—	—	—	—	—	—	PAS Fluid/ATF Top Up (D4)
Dino 246 GT	1971-1974	HPR 30/SIN 25	7.0	Hypoid 80W-90	4.0	—	—	—	—	—	—	Combined Transmission	—	—
Enzo	2002-2006	SIN 5	11.5	Transaxle 75	5.0	—	—	—	—	—	—	—	—	PAS Fluid/ATF Top Up (D4)
F355, F355GTS	1994-2000	SIN 5	9.5	Transaxle 75	5.0	—	—	—	—	—	—	—	—	PAS Fluid/ATF Top Up (D4)
F40	1988-1992	SIN 5	9.0	Transaxle 75	5.0	—	—	—	—	—	—	—	—	PAS Fluid/ATF Top Up (D4)
F430	2006-2007	SIN 0	10.0	Refer to Dealer	3.5	—	—	—	—	—	—	Combined Transmission	—	ATF Synthetic
F50	1995-2002	SIN 5	10.0	Transaxle 75	5.0	—	—	—	—	—	—	—	—	PAS Fluid/ATF Top Up (D4)

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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FERRARI (Cont'd)

F512M	1995-2000	SIN 5	11.5	Transaxle 75	9.5	--	--	--	--	--	--	--	--	PAS Fluid/ATF Top Up (D4)
Mondial 308 GTS Quattrovalve, 328 GTS	1985-1990	HPR 15/SIN 10	10.0	Transaxle 75	4.0	--	--	--	--	--	--	Combined Transmission	--	--
Mondial t, 348 ts/lb	1991-1994	HPR 15/SIN 10	11.0	Transaxle 75	4.0	--	--	--	--	--	--	Combined Transmission	--	--

NOTES (D4) - Steering box use Penrite Steering Box Lube, (F3) - With Auto only

FIAT

126	1977-1988	HPR 30	2.5	HPR 30	1.1	--	--	--	--	--	--	Combined Transmission	--	--
127	1975-1976	HPR 30	3.9	HPR 30	2.4	--	--	--	--	--	--	Combined Transmission	--	--
128	1970-1978	HPR 30	4.3	HPR 30	3.1	--	--	--	--	--	--	Combined Transmission	--	--
130	1972-1975	HPR 30	6.0	--	1.7	ATF DX-II	10.0	--	--	--	--	Hypoid 80W-90 (J1)	3.0	Power Steering Fluid/ATF Top Up
124 Sedan	1967-1971	HPR 30	3.7	HPR 30	1.4	--	--	--	--	--	--	Hypoid 80W-90	0.8	--
124S 1.4/1.6L	1968-1973	HPR 30	3.7	HPR 30	1.5	--	--	--	--	--	--	Hypoid 80W-90	1.8/1.3	--
124S 1.8L	1973-1975	HPR 30	4.0	HPR 30	1.5	--	--	--	--	--	--	Hypoid 80W-90	1.4	--
125, 125 Special	1968-1973	HPR 30	3.7	HPR 30	1.5	--	--	--	--	--	--	Hypoid 80W-90	2.0/1.5	--
131 Series, Panorama, 132 Series 2000	1976-1985	HPR 30	4.0	HPR 30	1.7	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90	1.0	--
132 1.8L	1973-1978	HPR 30	4.0	HPR 30	1.3	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90	1.6	--
500, 500D	1958-1971	HPR 30	1.7/2.5	Hypoid 80W-90	1.1	--	--	--	--	--	--	Combined Transmission	--	--
850 Sedan, Coupe	1965-1971	HPR 30	3.3/3.7	Hypoid 80W-90	2.1	--	--	--	--	--	--	Combined Transmission	--	--
Argenta	1982-1985	HPR 30	4.1	Hypoid 80W-90	1.8	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90	1.3	--
Brava ELX, Brava GT	1996-1999	HPR 10	4.3	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Brava SX, Brava SX	1996-2000	HPR 10	3.8	SIN Gear Oil 75	2.0	ATF DX-III	4.3	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Citivan	1988-1991	HPR 10	3.3	HPR 30	2.4/2.9	--	--	--	--	--	--	Combined Transmission	--	--
Coupe	1995-1998	HPR 10	5.2	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	--
Coupe	1998-2001	HPR 10	4.8	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	--
Croma	1988-1989	HPR 30	5.5	Manual Gear Oil 75	--	ATF DX-II	4.3	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Croma 2.2L	2005-2007	HPR 5	5.0	SIN Manual Trans	--	ATF MHP	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid
Ducato, (NA)	1998-2001	HPR Diesel 15	6.0	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Ducato 2000 JTD/2300 JTD	2002-2006	HPR Diesel 5	5.3/6.3	SIN Gear Oil 75	2.1	--	--	--	--	--	--	Combined Transmission	--	--
Ducato 2000 petrol	2002-2006	HPR 10	5.0	SIN Gear Oil 75	2.5	--	--	--	--	--	--	Combined Transmission	--	--
Ducato 2800 JTD	2002-2006	HPR Diesel 5	5.7	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	--
Ducato Maxi, NA and Turbo Diesel	1988-1994	HPR Diesel 15	6.4	Manual Gear Oil 80	1.3	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Ducato Maxi Diesel 2.8L turbo	1998-2002	HPR Diesel 15	6.7	SIN Gear Oil 75	2.8	--	--	--	--	--	--	Combined Transmission	--	--
Fiorino	1988-1998	HPR 10	3.3	HPR 30	2.9	--	--	--	--	--	--	Combined Transmission	--	--
Grande Punto, 1.2L/1.4L petrol	2006-2007	HPR 5	2.6	SIN Manual Trans	1.5	--	--	--	--	--	--	Combined Transmission	--	--
Grande Punto, 1.3L JTD/1.9L JTD	2006-2007	HPR 0 (H4)	3.2/4.2	SIN Manual Trans	2.1	--	--	--	--	--	--	Combined Transmission	--	--
Marea 1.6L	1998-2000	HPR 10	3.8	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Marea 2.0L	1998-2000	HPR 10	5.0	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Multipia	2000-2001	HPR 10	4.0	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Panda	2006-2007	HPR 5	--	--	--	--	--	--	--	--	--	--	--	--
Punto 1.2L/1.4L petrol	2003-2006	HPR 10	2.8	Transaxle 75	1.7	--	--	--	--	--	--	Combined Transmission	--	--
Punto 55S/SX, 90ELX	1994-1998	HPR 10	3.5	Manual Gear Oil 75	1.7	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto 60ELX, 80	2000-2001	HPR 10	2.8	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto 60S	1997-2000	HPR 10	3.7	Manual Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto 75SX	1995-1998	HPR 10	3.7	Manual Gear Oil 75	2.4	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto 85	1998-2000	HPR 10	3.7	Manual Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto HGT, GT	1994-2001	HPR 10	4.0	SIN Gear Oil 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto Sporting/Speedgear	2000-2001	HPR 10	2.8	SIN Gear Oil 75	2.0	Refer to Dealer	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Punto Twin Turbo	2007	HPR 5	--	Refer to Dealer	--	Refer to Dealer	--	--	--	--	--	Combined Transmission	--	PAS Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

10

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
Regata 100S, Weekend	1984-1988	HPR 30	4.6	HPR 30	3.0	—	—	—	—	—	—	Combined Transmission	—	—
Regata 85S	1985-1988	HPR 30	4.2	HPR 30	3.2	ATF DX-II	2.5	—	—	—	—	Hypoid 80W-90	0.7	—
Stilo Abarth 2.4L 20V	2001-2005	HPR 10	4.7	Transaxle 75	1.8	—	—	—	—	Combined Transmission	—	—	—	Power Steering Fluid
Superbrava 1/II/III	1976-1985	HPR 30	4.0	HPR 30	1.7	ATF DX-II	2.8	—	—	—	—	Hypoid 80W-90	1.0	—
X1/9 Sport	1978-1981	HPR 30	4.3	HPR 30	3.2	—	—	—	—	—	—	Combined Transmission	—	—
X1/9 Sport	1981-1983	HPR 30	4.5	HPR 30	3.0	—	—	—	—	—	—	Combined Transmission	—	—

NOTES (H4) Sole recommendation for engine (J1) If limited slip differential fitted use Limslip 90

FORD

Bronco 4.1L	1981-1984	HPR 40	4.4	HPR 30	3.1	(P1)	7.1	(Q1)	3.3/3.0	Limslip 90	1.8	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
Bronco 5.0L	1981-1985	HPR 40	4.5	HPR 30	3.1	(P1)	12.7	(Q1)	3.3/3.0	Limslip 90	1.8	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
Bronco 5.8L	1985-1987	HPR 40	5.6	HPR 30	3.3	ATF DX-II	11.4	Manual Gear Oil 75	4.25	Limslip 90	1.8	Limslip 90	2.6	Power Steering Fluid/ATF Top Up
Capri	1989-1990	HPR 15	3.3	Transaxle 75	3.2	ATF DX-III	5.7	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Capri 1600, 1600GT	1969-1973	HPR 30	3.0/3.7	Manual Gear Oil 80	1.0	ATF 33	6.4	—	—	—	—	Hypoid 80W-90	1.1	—
Capri 3000GT, RS3100S	1970-1974	HPR 30	3-7/4.7	Manual Gear Oil 80	1.7/2.0	ATF 33	6.4	—	—	—	—	Hypoid 80W-90	1.1	—
Capri Turbo, SE	1993-1994	HPR 10	3.5	Transaxle 75	3.4	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Capri/XR2/Capri Turbo/XR2 Turbo, Clubsport	1989-1994	HPR 15	3.5	Transaxle 75	2.9	ATF DX-III	6.3	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corsair	1989-1992	HPR 15	3.6	Manual Gear Oil 75	4.7	ATF DX-III	7.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corina Mk II	1967-1971	HPR 30	2.7/3.3	Manual Gear Oil 80	1.2	ATF 33	6.4	—	—	—	—	Hypoid 80W-90	1.1	—
Corina TC 1.6L, 2.0L	1971-1974	HPR 30	3.0	Manual Gear Oil 80	0.9/2.0	ATF 33	6.4	—	—	—	—	Hypoid 80W-90	1.3	—
Corina TC 200, 2.5L	1972-1974	HPR 30	3.4	Small Engine Mono SAE 30 (C2, C4)	1.8	ATF 33	8.1	—	—	—	—	Hypoid 80W-90	1.3	—
Corina TD, TE 2.0L	1974-1980	HPR 30	3.3	Manual Gear Oil 80	1.4	ATF 33	6.6	—	—	—	—	Hypoid 80W-90	1.3	—
Corina TD, TE 3.3L, 4.0L	1974-1980	HPR 40	3.4	Small Engine Mono SAE 30 (C4)	1.8	ATF 33	8.1	—	—	—	—	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
Corina TF, 2.0L	1980-1982	HPR 30	3.3	Manual Gear Oil 80	1.4	ATF 33 (I1)	—	—	—	—	—	Hypoid 80W-90	1.0/1.3	—
Corina TF, 3.3L/4.1L	1980-1982	HPR 40	3.4	Manual Gear Oil 80	1.8	ATF 33	8.1	—	—	—	—	Hypoid 80W-90	1.0/1.3	Power Steering Fluid/ATF Top Up
Cougar	1999-2003	HPR 5/SIN 0	5.5	SIN Gear Oil 75	2.6	ATF DX-II	9.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Courier 2.6L petrol	2004-2006	HPR 10	4.7	Transaxle 75	2.8	ATF DX-III	7.5	—	—	—	—	Limslip 90	1.4	Power Steering Fluid/ATF Top Up
Courier 4.0L petrol	2006-2007	HPR 5	5.5	Manual Gear Oil 75	2.7	ATF MHP	9.5	—	—	—	—	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up
Courier 4.0L petrol 4x4	2006-2007	HPR 5	5.5	Manual Gear Oil 75	2.7	ATF MHP	9.5	Manual Gear Oil 75	1.2	SIN Gear Oil 80	1.5	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up
Courier 4x4, 2.6L	1987-1995	HPR 30	4.7	Manual Gear Oil 80	3.2	—	—	Manual Gear Oil 80	1.6	Hypoid 80W-90	1.2	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Courier PC 2.2L Diesel	1998-1996	HPR Diesel	5.0	Hypoid 80W-90	2.0/2.8	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid
Courier PD 4x4, 2.5L Diesel	1996-1999	HPR Diesel 15	6.3	Hypoid 80W-90	3.2	—	—	Hypoid 80W-90	2.0	Hypoid 80W-90	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Courier PD 4x4, 2.6L	1996-1999	HPR 15	4.7	Hypoid 80W-90	3.2	—	—	Hypoid 80W-90	2.0	Hypoid 80W-90	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Courier PD Series 2.5L Diesel	1996-1999	HPR Diesel 15	6.3	Hypoid 80W-90	2.8	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Courier PD, PE Series 2.6L	1996-2001	HPR 10	4.7	Transaxle 75	2.8	ATF Synthetic	7.5	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Courier PE,PG,PH 4x4, 2.5L Turbo Diesel	1999-2006	HPR Diesel 5	6.3	Transaxle 75	3.2	—	—	Transaxle 75	2.0	Hypoid 80W-90	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Courier PE,PG,PH 4x4, 2.6L	1999-2006	HPR 10	4.7	Transaxle 75	3.2	—	—	Transaxle 75	2.0	Hypoid 80W-90	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Courier PE,PG,PH Series 2.5L Turbo Diesel	1999-2006	HPR Diesel 5	6.3	Transaxle 75	2.8	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Courier, 1.8L	1979-1982	HPR 30	3.6	Hypoid 80W-90	1.7	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.3	—
Courier, 2.0L	1983-1992	HPR 30	3.6	Hypoid 80W-90	2.0	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Courier, 2.2L	1989-1993	HPR 30	3.9	Hypoid 80W-90	2.0	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.2	—
Courier, 2.2L Diesel	1981-1985	HPR Diesel	5.0	Hypoid 80W-90	2.0/2.8	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.2	Power Steering Fluid/ATF Top Up
Courier, 2.6L	1991-1995	HPR 15	4.7	Hypoid 80W-90	2.8	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.2	Power Steering Fluid/ATF Top Up
Econovan JH 1.8L/2.0L	2003-2006	HPR 10	3.6	Transaxle 75	1.7	ATF MHP	7.5	—	—	—	—	Hypoid 80W-90 (E3, J1)	1.4/2.5	Power Steering Fluid/ATF Top Up
Econovan/Maxi 1.4L/1.6L	1979-1985	HPR 30	3.6	Hypoid 80W-90	1.4/1.7	—	—	—	—	—	—	Hypoid 80W-90	1.3	—
Econovan/Maxi 1.8L/2.0L	1984-1995	HPR 30	3.6	Hypoid 80W-90	1.7	ATF DX-III	7.5	—	—	—	—	Hypoid 80W-90	1.3	—
Econovan/Maxi 1.8L/2.0L	1995-1999	HPR 15	3.6	Hypoid 80W-90	1.7	ATF DX-III	7.5	—	—	—	—	Hypoid 80W-90	1.3	—
Econovan/Maxi 2.0L	2000-2003	HPR 10	3.9	Transaxle 75	2.5	ATF DX-III	7.0	—	—	—	—	Hypoid 80W-90 (E3)	1.2/1.4	Power Steering Fluid/ATF Top Up
Econovan/Maxi 2.2L Diesel	1981-1997	HPR Diesel	5.0	Hypoid 80W-90	1.7	—	—	—	—	—	—	Hypoid 80W-90	1.3	—

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

11

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
Econovan/Maxi 4x4, 2.0L	1986-1988	HPR 30	3.6	Hypoid 80W-90	2.5	—	—	Hypoid 80W-90	1.6	Hypoid 80W-90	1.2	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Escape 2.0L/3.0L	2001-2006	HPR 5	4.3/5.2	—	—	ATF Synthetic	9.6	SIN Gear Oil 80	1.2	Combined Transmission	—	SIN Gear Oil 75	1.4	PAS Fluid
Escort 1100, 1300, 1300GT	1968-1975	HPR 30	3.3	Manual Gear Oil 80	0.9	ATF 33	6.4	—	—	—	—	Hypoid 80W-90	1.1	—
Escort 1600GT	1970-1972	HPR 30	3.4	Manual Gear Oil 80	1.2	—	—	—	—	—	—	Hypoid 80W-90	1.1	—
Escort II, 1.3L, 1.6L	1975-1976	HPR 30	3.3	Manual Gear Oil 80	1.3	ATF 33	6.6	—	—	—	—	Hypoid 80W-90	1.1	—
Escort including RS2000	1980-1981	HPR 30/SIN 25	3.2/3.7	Manual Gear Oil 80	1.4	ATF 33	6.6	—	—	—	—	Hypoid 80W-90	1.1	—
Explorer UN/UQ	1996-1999	HPR 10	4.7	Manual Gear Oil 75	2.6	ATF Synthetic	9.5	ATF Synthetic	1.2	Limslip 85W-140	1.7	Limslip 85W-140	2.6	Power Steering Fluid/ATF Top Up
Explorer US	2000-2001	HPR 5	4.7	Manual Gear Oil 75	2.4	ATF Synthetic	9.8	ATF Synthetic	1.4	Limslip 85W-140	1.7	SIN Gear 80	2.9	Power Steering Fluid/ATF Top Up
Explorer UT 4.0L/4.6L	2001-2006	HPR 5	4.7/5.7	Manual Gear Oil 75	2.4	ATF Synthetic	12.0	ATF Synthetic	1.4	Limslip 85W-140	1.5	SIN Gear 80	1.5	Power Steering Fluid/ATF Top Up
F Series, 5.4L Petrol	1999-2001	HPR 10/SIN 10	5.7-6.7	Manual Gear Oil 75	—	ATF Synthetic	—	Manual Gear Oil 75	—	Limslip 85W-140	—	Limslip 85W-140	—	ATF Top Up/Power Steering Fluid
F100 250, 302, 4.1L, 4.9L	1975-1979	HPR 40	4.4	HPR 30	3.4	ATF 33	9.3	—	—	—	—	Limslip 85W-140	2.3	—
F100 5.0L	1985-1987	HPR 40	5.6	HPR 30	3.4	ATF DX-II	11.4	Manual Gear Oil 75	4.3	Limslip 90	1.8	Limslip 90	2.6	Power Steering Fluid/ATF Top Up
F100 5.8L	1979-1982	HPR 40	4.5	HPR 30	3.4	(P1)	11.6/10.9	(Q1)	2.9/3.3	Limslip 90	1.8	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
F100, 4.1L, 4.9L	1979-1985	HPR 40	4.4	HPR 30	3.4	(P1)	9.5/7.1	(Q1)	2.9	Limslip 90	1.8	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
F150	1986-1992	HPR 40	5.6	(R1)	—	ATF DX-II	11.4	—	—	—	—	Limslip 90	2.6/3.5	Power Steering Fluid/ATF Top Up
F150 4x4, 5.0L	1987-1989	HPR 30	5.6	(R1)	—	ATF DX-II	12.7	Manual Gear Oil 75	1.8	Limslip 90	1.8	Limslip 90	2.6/3.5	Power Steering Fluid/ATF Top Up
F150 4x4, 5.8L	1990-1992	HPR 30	5.6	(R1)	—	ATF DX-II	12.7	Manual Gear Oil 75	3.0	Limslip 90	1.7	Limslip 90	2.6/3.5	Power Steering Fluid/ATF Top Up
F250, 250, 300, 302 and 4x4	1975-1977	HPR 40	4.5/4.8	HPR 30	3.4	ATF 33	9.3	HPR 30	—	Limslip 90	1.9	Limslip 85W-140	2.8	—
F250, 4.1L	1978-1985	HPR 40	4.4	HPR 30	3.4/3.1	ATF DX-II	9.5/7.1	—	—	—	—	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
F250, 5.8L	1982-1985	HPR 40	4.5	HPR 30	3.4/3.1	ATF DX-II	11.6/10.9	—	—	—	—	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
F250/350 5.4L Petrol	2001-2006	HPR 5/SIN 0	5.7	Refer to Dealer	—	ATF Synthetic	—	Refer to Dealer	—	SIN Gear Oil 75	1.8	SIN Gear Oil 80	3.3	Power Steering Fluid/ATF Top Up
F250/350, 4.2L Diesel 4WD	2001-2006	HPR Diesel 15	10.0	SIN Gear Oil 75	3.2	—	—	ATF Synthetic	1.9	SIN Gear Oil 75	1.8	SIN Gear Oil 80	4.7	Power Steering Fluid/ATF Top Up
F250/350, 7.3L Diesel 4WD	2001-2006	HPR Diesel 15	14.2	SIN Gear Oil 75	5.5	ATF Synthetic	16.7	ATF Synthetic	1.9	SIN Gear Oil 75	1.8	SIN Gear Oil 80	3.3	Power Steering Fluid/ATF Top Up
F350 4x4 4.1L	1982-1985	HPR 40	4.4	(R1)	3.1	ATF DX-II	7.1	Manual Gear Oil 75	3.3/3.1	Limslip 90	1.8	Limslip 90	2.9	Power Steering Fluid/ATF Top Up
F350 4x4 5.0L	1986-1988	HPR 40	5.6	HPR 30	3.3	—	—	Manual Gear Oil 75	3.0	Limslip 90	1.8	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
F350 4x4 5.8L	1982-1985	HPR 40	4.5	HPR 30	3.4/3.1	ATF DX-II	12.7/10.9	Manual Gear Oil 75	3.3/3.1	Limslip 90	1.8	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
F350, 4.1L	1982-1985	HPR 40	4.4	HPR 30	3.4/3.1	ATF DX-II	9.5/7.1	—	—	—	—	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
F350, 5.8L	1982-1985	HPR 40	4.5	HPR 30	3.4/3.1	ATF DX-II	11.6/10.9	—	—	—	—	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
F450 petrol	2006-2007	HPR 5/SIN 0	5.7	ATF DX-III	5.5	ATF Synthetic	16.6	ATF DX-III	—	Hypoid 80W-90 (E3)	—	SIN Gear Oil 80	—	Power Steering Fluid
F550 petrol	2006-2007	HPR 5/SIN 0	6.7	ATF DX-III	6.5	ATF Synthetic	16.6	ATF DX-III	—	Hypoid 80W-90 (E3)	—	SIN Gear Oil 80	—	Power Steering Fluid
Fairlane AU to AU-III, 4.0L/5.0L	1999-2002	HPR 10/SIN 5	5.0	—	—	ATF 95LE (N4)	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid
Fairlane NA, LTD DA 3.9L	1988-1989	HPR 15/SIN 10	6.0	—	—	ATF DX-II/ATF 95LE	3.5	—	—	—	—	Limslip 90	1.6	Power Steering Fluid
Fairlane NA Series II/NB/NC,	1989-1995	HPR 15/SIN 10	6.0/5.5	—	—	ATF 95LE (N4)	4.0	—	—	—	—	Limslip 90	1.6	Power Steering Fluid
Fairlane NB/NC/NF/NL	1989-1999	HPR 15/SIN 10	5.0	—	—	ATF 95LE (N4)	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid
Fairlane NF/NL 4.0L	1995-1999	HPR 10/SIN 10	5.5	—	—	ATF 95LE (N4)	4.0	—	—	—	—	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid
Fairlane ZC, ZD	1969-1972	HPR 40	3.6	Small Engine Mono SAE 30 (C2, C4)	1.7	ATF 33	8.1/10.5	—	—	—	—	Hypoid 80W-90 (D2)	1.3	Power Steering Fluid/ATF Top Up
Fairlane ZF, ZG 250, 302	1972-1975	HPR 40	3.5	Small Engine Mono SAE 30 (C4)	1.7	ATF 33	8.2	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Fairlane ZF, ZG 351, LTD, Landau	1972-1975	HPR 40	3.6	—	—	ATF 33	9.3/10.5	—	—	—	—	Limslip 90	2.3	Power Steering Fluid/ATF Top Up
Fairlane ZH, 500, Marquis, LTD	1976-1979	HPR 40	4.5	—	—	ATF 33	9.3/10.5	—	—	—	—	Limslip 90	2.3	Power Steering Fluid/ATF Top Up
Fairlane ZJ, 4.1L/4.9L	1980-1982	HPR 40	3.6	—	—	ATF 33 (G1)	—	—	—	—	—	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Fairlane ZJ, 5.8L	1980-1982	HPR 40	3.6	—	—	ATF 33	10.5	—	—	—	—	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Fairlane ZJ, LTD FC	1979-1982	HPR 40	3.6	—	—	ATF 33 (G1)	9.3/10.5	—	—	—	—	Limslip 90	2.3	Power Steering Fluid/ATF Top Up
Fairlane ZK, 4.9L	1982	HPR 40	4.5	—	—	(f)	—	—	—	—	—	Limslip 90	1.5	Power Steering Fluid/ATF Top Up
Fairlane ZK/ZL, LTD FD/FE 4.1L	1982-1988	HPR 40	4.5	—	—	ATF DX-II/ATF 95LE	3.5	—	—	—	—	Limslip 90	1.5	Power Steering Fluid
Falcon AU-BA Ute/Van	1999-2005	HPR 10/SIN 10	5.0/6.5	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid
Falcon AU/AU-III, AG Ute, Fairmont, 4.0L	1998-2002	HPR 10/SIN 5	5.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	—	—	—	—	Hypoid 80W-90	1.7	Power Steering Fluid
Falcon AU to AU-III, XR6, 4.0L	1998-2002	HPR 10/SIN 5	5.5	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	—	—	—	—	Limslip 90	1.7	Power Steering Fluid
Falcon AU to AU-III, XR6/XR8 (incl. XR Ute)	1999-2004	HPR 10/SIN 5	5.0-7.0/6.2	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid (U2)
Falcon BA, Fairlane, Fairmont, LTD, XR 4.0L	2002-2005	HPR 5/SIN 0	7.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	—	—	—	—	Limslip 90	1.6	Power Steering Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
Falcon BA, Fairlane, Fairmont, LTD, XR 4.0L Turbo	2002-2005	HPR 5/SIN 0	7.0	SIN Gear Oil 75	2.0	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid
Falcon BA, Fairlane, Fairmont, LTD, XR V8	2002-2005	HPR 5/SIN 0	6.2	Manual Gear Oil 70	3.8	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid (U2)
Falcon BF, Fairlane, Fairmont, LTD, XR 4.0L	2005-2006	HPR 10/SIN 0	7.0	Manual Gear Oil 75	1.9	ATF 95LE (H3, N4)	4.0	--	--	--	--	Limitslip 90	1.6	Power Steering Fluid
Falcon BF, Fairlane, Fairmont, LTD, XR 4.0L Turbo	2005-2006	HPR 10/SIN 0	7.0	SIN Gear Oil 75	2.0	ATF 95LE (H3, N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid
Falcon BF, Fairlane, Fairmont, LTD, XR V8	2005-2006	HPR 5/SIN 0	6.2	Manual Gear Oil 70	3.8	ATF 95LE (H3, N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid (U2)
Falcon EA Series, Fairmont, 3.2L/3.9L	1988-1989	HPR 30/SIN 25	6.0	Manual Gear Oil 75	1.9	ATF DX-II	3.5	--	--	--	--	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid/ATF Top Up
Falcon EA Series II/EB, Fairmont	1989-1992	HPR 15/SIN 10	6.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid
Falcon EB to EL, XR6, 4.0L	1992-1998	HPR 15/SIN 10	5.5	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid
Falcon EB to EL, Fairmont, 5.0L	1991-1998	HPR 15/SIN 10	5.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid
Falcon EB Series II to EL, Fairmont 4.0L	1992-1998	HPR 15/SIN 10	5.5	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid
Falcon EF Series II to AU-III, XR8, Fairmont 5.0L	1995-2002	HPR 10/SIN 5	5.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid
Falcon EL GT, 5.0L	1997	HPR 10/SIN 10	5.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.6	Power Steering Fluid
Falcon XA 302 V8	1972-1973	HPR 40	3.6	Small Engine Mono SAE 30 (C2, C4)	1.5	ATF 33	8.2	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Falcon XA 351 V8	1972-1973	HPR 40	3.6	Manual Gear Oil 80	1.8	ATF 33	9.3/10.5	--	--	--	--	Limitslip 90	2.3	Power Steering Fluid/ATF Top Up
Falcon XA 6 cylinder	1972-1973	HPR 40	3.4	Small Engine Mono SAE 30 (C2, C4)	1.5/1.7	ATF 33	8.1	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Falcon XB 302 V8	1973-1975	HPR 40	3.6	Small Engine Mono SAE 30 (C4)	1.8	ATF 33	8.2/9.3	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Falcon XB 351 V8	1973-1975	HPR 40	3.6	Manual Gear Oil 80	1.8	ATF 33	10.5	--	--	--	--	Limitslip 90	2.3	Power Steering Fluid/ATF Top Up
Falcon XB 6 cylinder	1973-1975	HPR 40	3.4	Small Engine Mono SAE 30 (C4)	1.8	ATF 33	8.1	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Falcon XC 3.3L, 4.1L	1976-1979	HPR 40	3.6	Small Engine Mono SAE 30 (C4)	1.8	ATF 33	3.0	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Falcon XC 4.9L, 5.8L	1976-1979	HPR 40	3.6	Small Engine Mono SAE 30 (C4)	1.8	ATF 33	3.5	--	--	--	--	Hypoid 80W-90 (J1)	1.3/2.3	Power Steering Fluid/ATF Top Up
Falcon XD 3.3L/4.1L/4.9L	1979-1982	HPR 40	3.4/3.6	--	1.8	ATF 33 (G1)	--	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Falcon XD 5.8L	1979-1982	HPR 40	3.6	Manual Gear Oil 80	1.8	ATF 33	3.5	--	--	--	--	Limitslip 90	1.3	Power Steering Fluid/ATF Top Up
Falcon XE 4.9L/5.8L	1982	HPR 40	4.5	Manual Gear Oil 80	1.8	(F1)	--	--	--	--	--	Hypoid 80W-90 (J1)	1.5	--
Falcon XE, XF, 3.3L/ 4.1L including Turbo	1982-1985	HPR 40	4.5	--	--	ATF DX-II	3.5	--	--	--	--	Hypoid 80W-90 (J1)	1.5	Power Steering Fluid/ATF Top Up
Falcon XF, 3.3L/4.1L ULP	1986-1988	HPR 30/SIN 25	4.5	--	--	ATF DX-II	3.5	--	--	--	--	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid/ATF Top Up
Falcon XF Ute/Van	1988-1993	HPR 30/SIN 25	4.5	Manual Gear Oil 80	1.9	ATF DX-II	8.5	--	--	--	--	Limitslip 90	1.6	Power Steering Fluid/ATF Top Up
Falcon XG Ute/Longreach/Van	1993-1996	HPR 30	5.5	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	Limitslip 90	1.6	Power Steering Fluid/ATF Top Up
Falcon XH/XHII Ute/Longreach/Van 4.0L	1996-1999	HPR 15	5.5	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	Limitslip 90	1.6	Power Steering Fluid
Falcon XH/XHII Ute/Longreach/Van 5.0L	1996-1999	HPR 15	5.0	Manual Gear Oil 75	1.9	ATF 95LE (N4)	4.0	--	--	--	--	SIN Gear Oil 80	1.7	Power Steering Fluid
Falcon XW, XY	1969-1972	HPR 40	3.5	Small Engine Mono SAE 30 (C2, C4)	1.6	ATF 33	8.1/9.3	--	--	--	--	Hypoid 80W-90 (D2)	1.3	Power Steering Fluid/ATF Top Up
Falcon XW, XY GT,HO Phase II/III	1969-1972	HPR 40/SIN 25	3.6	Manual Gear Oil 80 (C4)	1.8	--	--	--	--	--	--	Limitslip 90	2.3	--
Festiva WA	1991-1994	HPR 15	3.4	Transaxle 75	2.5	ATF DX-III	5.3	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Festiva WB/WB-II	1994-1997	HPR 10	3.4	Manual Gear Oil 75	2.5	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Festiva WF, 1.3L/1.5L (3sp auto/4 sp auto)	1998-1999	HPR 10	3.4	Manual Gear Oil 75	2.7	ATF DX-III	5.3	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Fiesta WP 1.6L	2002-2006	HPR 5	3.8/4.1	SIN Gear Oil 75	2.3	ATF MHP (Y2)	--	--	--	--	--	Combined Transmission	--	--
Focus 1.6L/2.0L	2005-2007	HPR 5/HPR 0	4.1/4.3	SIN Gear Oil 75	--	ATF Synthetic	6.7	--	--	--	--	Combined Transmission	--	Penrite SSF
Focus 1.8L	2002-2004	HPR 5/SIN 0	4.2	SIN Gear Oil 75	2.3	--	--	--	--	--	--	--	--	PAS Fluid
Focus 2.0L	2002-2005	HPR 5/SIN 0	4.2	SIN Gear Oil 75	1.9	ATF Synthetic	6.7	--	--	--	--	--	--	PAS Fluid
Focus ST170 2.0L	2003-2005	HPR 5/SIN 0	4.2	SIN Gear Oil 75	1.7	--	--	--	--	--	--	--	--	PAS Fluid
Focus XRS Turbo (2.5L)	2006-2007	HPR 5/SIN 0	6.4	SIN Gear Oil 75	1.8	--	--	--	--	--	--	Combined Transmission	--	ATF Synthetic (R3)
Galaxie LTD	1969-1972	HPR 40	3.8	--	--	ATF 33	12.0	--	--	--	--	Limitslip 90	2.3	Power Steering Fluid/ATF Top Up
Ka, Ka2	1999-2003	HPR 5	3.3	SIN Gear Oil 75	2.8	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Laser KA, KB Series including Turbo, Meteor GA, GB Series	1981-1985	HPR 30	3.0	Manual Gear Oil 75	3.2	ATF 33	5.7	--	--	--	--	Combined Transmission	--	--
Laser KE Series	1987-1990	HPR 30	3.0	Hypoid 80W-90	3.2	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Laser KE2 Wagon, KH Series 1.6L	1990-1994	HPR 15	3.3	Hypoid 80W-90	2.7	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Laser KF Series 1.6L	1990-1994	HPR 15	3.0	Manual Gear Oil 75	2.7	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Laser KF Series 1.8L SOHC	1990-1991	HPR 15	3.6	Manual Gear Oil 75	2.7	ATF DX-III	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Laser KJ Series 1.6L	1994-1996	HPR 15	3.5	Manual Gear Oil 75	2.7	ATF DX-III	4.9	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Laser KJ Series 1.8L	1994-1996	HPR 15	3.9	Manual Gear Oil 75	0.3	ATF DX-III	4.9	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
Laser KL (KJ II,III) Series 1.6L	1996-1999	HPR 10	3.4	Transaxle 75	2.7	ATF DX-III	5.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Laser KL (KJ II,III) Series 1.8L	1996-1999	HPR 10	3.8	Transaxle 75	2.7	ATF DX-III	5.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Laser KN 1.6L/1.8L	2000-2001	HPR 10	2.9/3.5	Transaxle 75	2.7	ATF DX-III	7.2	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Laser TX3 KE Series	1987-1990	HPR 30	3.0	Manual Gear Oil 75	3.2	ATF DX-III	6.3	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Laser TX3 Turbo 4WD, KH Series	1991-1993	HPR 15	3.9	Manual Gear Oil 75	2.6	—	—	Hypoid 80W-90	0.5	Combined Transmission	—	Hypoid 80W-90	0.6	Power Steering Fluid/ATF Top Up
Laser TX3 Turbo 4WD Turbo, KE Series	1987-1990	HPR 30	3.2	Manual Gear Oil 75	3.5	—	—	Hypoid 80W-90	0.5	Combined Transmission	—	Hypoid 80W-90	0.6	Power Steering Fluid/ATF Top Up
Laser/TX3 4WD, KF Series, 1.8L Turbo	1990-1991	HPR 15	3.6	Manual Gear Oil 75	2.6	—	—	Hypoid 80W-90	0.5	—	—	Hypoid 80W-90	0.6	Power Steering Fluid/ATF Top Up
Laser/TX3, KC Series, Meteor GC Series, Laser KE Series	1985-1990	HPR 30	3.0	Manual Gear Oil 75	3.2	ATF DX-III (H1)	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Laser/TX3, KF Series 1.8L DOHC	1990-1991	HPR 15	3.6	Manual Gear Oil 75	3.3	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Laser/TX3, KH Series, 1.8 L	1991-1994	HPR 15	3.9	Manual Gear Oil 75	2.7/3.3	ATF DX-III	6.3	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
LTD AU to AU-III, BA 4.0L/5.0L	1999-2004	HPR 10/SIN 10	5.0	—	—	ATF 95LE (N4)	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid
LTD DA Series II/DB/DC 3.9L/4.0L	1989-1995	HPR 15/SIN 10	6.0/5.5	—	—	ATF 95LE (N4)	4.0	—	—	—	—	Limitslip 90	1.6	Power Steering Fluid
LTD DB/DC/DF/DL 4.9L/5.0L	1989-1999	HPR 15/SIN 10	5.0	—	—	ATF 95LE (N4)	4.0	—	—	—	—	Limitslip 90	—	Power Steering Fluid
LTD FC Series, 4.1L	1980-1982	HPR 40	3.6	—	—	ATF 33 (G1)	—	—	—	—	—	Limitslip 90	1.3	Power Steering Fluid/ATF Top Up
LTD FC Series, 5.8L	1980-1982	HPR 40	3.6	—	—	ATF 33	10.5	—	—	—	—	Limitslip 90	1.3	Power Steering Fluid/ATF Top Up
LTD FD 4.9L/5.8L	1982-1988	HPR 40	4.5	—	—	(F1)	—	—	—	—	—	Limitslip 90	1.5	Power Steering Fluid/ATF Top Up
LTD FD/FE 4.1L	1982-1988	HPR 40	4.5	—	—	ATF DX-II	3.5	—	—	—	—	Limitslip 90	1.5	Power Steering Fluid
Maverick	1988-1993	HPR 30	8.2	Manual Gear Oil 80	3.9	ATF DX-III	8.5	Manual Gear Oil 80	2.2	Hypoid 80W-90	—	Limitslip 140	2.1	Power Steering Fluid/ATF Top Up
Maverick Diesel	1988-1993	HPR Diesel	9.2	Manual Gear Oil 80	3.0	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	—	Limitslip 140	2.1	Power Steering Fluid/ATF Top Up
Mondeo 1.8L Turbo Diesel	1997-2001	HPR Diesel 5	5.1	SIN Gear Oil 75	2.6	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Mondeo Durateq 2.0TDCi	2002-2004	HPR Diesel 5	6.0	SIN Gear Oil 75	1.9	—	—	—	—	—	—	Combined Transmission	—	PAS Fluid
Mondeo Durateq 2.2TDCi	2005-2007	HPR 0 (H4)	6.0	SIN Gear Oil 75	—	—	—	—	—	—	—	Combined Transmission	—	PAS Fluid
Mondeo GE 1.8L Duratec	2000-2005	HPR 5	4.3	SIN Gear Oil 75	1.9	ATF DX-II	7.5	—	—	—	—	Combined Transmission	—	PAS Fluid
Mondeo GE 3.0L V6	2004-2006	HPR 5	5.2	Transaxle 75	—	—	—	—	—	—	—	Combined Transmission	—	PAS Fluid
Mondeo HA	1995-1996	HPR 10	4.3	Manual Gear Oil 75	2.6	ATF DX-II	5.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Mondeo HC/HE 2.0L	1996-2002	HPR 5	4.3	SIN Gear Oil 75	2.6	ATF DX-II	5.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Mondeo ST24	1997-2002	HPR 5	5.5	SIN Gear Oil 75	2.6	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Mustang	1965-1973	HPR 40/SIN 25	3.7/5.7	Manual Gear Oil 80	1.6/1.9	ATF 33	—	—	—	—	—	Limitslip 90	1.9/2.3	—
Mustang	1999-2003	HPR 5/SIN 0	5.7	Manual Gear Oil 75	—	ATF Synthetic	—	—	—	—	—	SIN Gear Oil 80	1.4	Power Steering Fluid
Mustang 4.0L/4.6L GT	2006-2007	HPR 5/SIN 0	4.7/5.7	Manual Gear Oil 70	2.6/3.0	ATF Synthetic	11.3	—	—	—	—	SIN Gear Oil 80	—	PAS Fluid
Mustang Mk II	1974-1977	HPR 40/SIN 25	3.3/4.2	Manual Gear Oil 80	1.6/2.1	ATF 33	7.5/8.5	—	—	—	—	Limitslip 90	1.4/2.1	—
Probe	1994-1997	HPR 10	4.0	SIN Gear Oil 75	2.7	ATF DX-III	8.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Raider	1991-1997	HPR 15	4.7	Transaxle 75	3.2	ATF DX-III	4.0	Transaxle 75	2.0	Transaxle 75	—	Transaxle 75	1.7	Power Steering Fluid/ATF Top Up
Ranger 3.0L Diesel	2007-	HPR Diesel 5	—	Transaxle 75	—	ATF MHP	—	—	—	—	—	SIN Gear Oil 80	—	Power Steering Fluid
Sierra 2.3L, 2.8L	1983-1985	HPR 30	4.0	Manual Gear Oil 75	1.9	ATF DX-II	6.3	—	—	—	—	Limitslip 90	0.9	Power Steering Fluid/ATF Top Up
Sierra Cosworth 4x4	1990-1991	HPR 10/SIN 10	3.4	Manual Gear Oil 75	2.5	—	—	Manual Gear Oil 75	0.5	Limitslip 90	—	Limitslip 90	0.9	Power Steering Fluid/ATF Top Up
Sierra GLX, Sapphire	1990-1993	HPR 15	3.8	Manual Gear Oil 75	1.2	ATF DX-II	8.5	—	—	—	—	Limitslip 90	0.9	Power Steering Fluid/ATF Top Up
Sierra Wagon 1.6L, 2.0L	1984-1989	HPR 30	3.3	Manual Gear Oil 75	1.2	ATF DX-II	6.3	—	—	—	—	Limitslip 90	0.9	Power Steering Fluid/ATF Top Up
Sierra XR 4x4	1990-1991	HPR 15	4.3	Manual Gear Oil 75	1.3	—	—	Manual Gear Oil 75	0.5	Limitslip 90	—	Limitslip 90	0.9	Power Steering Fluid/ATF Top Up
Spectron 1.6L/1.8L/2.0L	1983-1990	HPR 30	3.6	Hypoid 80W-90	1.7	ATF DX-III	7.5	—	—	—	—	Hypoid 80W-90	1.2	—
Spectron 4x4	1986-1988	HPR 30	3.6	Hypoid 80W-90	2.5	—	—	Hypoid 80W-90	1.6	Hypoid 80W-90	—	Limitslip 90	1.3	Power Steering Fluid/ATF Top Up
Taurus Ghia	1996-1998	HPR 10	5.2	—	—	ATF Synthetic	12.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Telstar TX5 Turbo, AT/AV Series 2.2L	1987-1991	HPR 30/SIN 25	3.9	Manual Gear Oil 75	3.6	ATF DX-III (H1)	6.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Telstar/TX5, AR, AS, AT Series 2.0L (including turbo)	1983-1989	HPR 30	3.6	Manual Gear Oil 75	3.4	ATF DX-III (H1)	5.7	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Telstar/TX5, AT, AV Series 2.2L	1987-1991	HPR 30	3.9	Manual Gear Oil 75	3.3	ATF DX-III (H1)	6.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Telstar/TX5, AX/AV Series 2.0L	1992-1996	HPR 15	3.5	Manual Gear Oil 75	2.7	ATF DX-III	8.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Telstar/TX5, AX/AV Series 2.5L	1992-1996	HPR 15	4.0	Manual Gear Oil 75	2.7	ATF DX-III	8.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Territory SX	2004-2005	HPR 10/SIN 5	7.1	—	—	ATF 95LE (N4)	4.0	ATF 95LE	0.5	SIN Gear 80	—	SIN Gear 80	1.9	Power Steering Fluid
Territory SY	2005-2006	HPR 10/SIN 5	7.1	—	—	ATF 95LE (H3, N4)	4.0	ATF 95LE	0.5	SIN Gear 80	—	SIN Gear 80	1.9	Power Steering Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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FORD (Con' d)

Thunderbird	1963-1976	HPR 40	3.7/4.5	—	—	ATF 33	9.1-12.5	—	—	—	—	Linslip 90	2.1/2.5	—
Trader 0409 2.0L petrol	1979-1981	HPR 30	4.0	Hypoid 80W-90	1.6	—	—	—	—	—	—	Hypoid 80W-90	2.6	—
Trader 0409/0509 3.0L/3.5L Diesel	1981-1999	HPR Diesel	6.0	Hypoid 80W-90	3.5	—	—	—	—	—	—	Hypoid 80W-90	2.6/3.6	Power Steering Fluid/ATF Top Up
Trader 0409/0509 4.0L Diesel	1995-1999	HPR Diesel 15	10.3	Hypoid 80W-90	3.0/3.3	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
Trader 0509 3.0L diesel	1979-1981	HPR Diesel	6.0	Hypoid 80W-90	2.8/3.3	—	—	—	—	—	—	Hypoid 80W-90	2.6	—
Trader 0711/0811 4.1L Diesel	1981-1993	HPR Diesel	11.3	Hypoid 80W-90	4.2	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
Trader 0811 4.0L Diesel	1992-1999	HPR Diesel	9.3	Hypoid 80W-90	3.3	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
Trader 0811 4.6L Diesel	1995-1999	HPR Diesel 15	10.3	Hypoid 80W-90	3.8	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
Trader 0812 3.5L Turbo Diesel	1987-1992	HPR Diesel	7.5	Hypoid 80W-90	4.2	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
Transit	1977-1981	HPR 40	3.4	Manual Gear Oil 80	1.8	ATF 33	8.0	—	—	—	—	Hypoid 80W-90	1.4	—
Transit VE 2.5L Diesel	1994-1996	HPR Diesel 15	6.1	—	—	ATF DX-II	—	—	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Transit VF 2.5L turbo diesel	1996-1997	HPR Diesel 5	6.0	SIN Gear Oil 75	1.3	ATF DX-II	—	—	—	—	—	SIN Gear Oil 75	3.0/1.8	Power Steering Fluid/ATF Top Up
Transit VF petrol	1996-1997	HPR 10	4.5	SIN Gear Oil 75	1.3	ATF DX-II	8.2	—	—	—	—	SIN Gear Oil 75	3.0/1.8	Power Steering Fluid/ATF Top Up
Transit VG 2.5L diesel/turbo diesel	1997-2000	HPR Diesel 5	6.0	SIN Gear Oil 75	1.2	ATF Synthetic	—	—	—	—	—	SIN Gear Oil 75	1.8/3.0	—
Transit VG petrol	1997-2000	HPR 10	4.5	SIN Gear Oil 75	1.2	ATF Synthetic	8.2	—	—	—	—	SIN Gear Oil 75	1.8/3.0	—
Transit VH, VJ 2.5L diesel/turbo diesel	2000-2007	HPR Diesel 5	7.0	SIN Gear Oil 75 (J3)	1.3	ATF Synthetic	—	—	—	—	—	SIN Gear Oil 80	2.6	PAS Fluid
Transit VH, VJ petrol	2000-2007	HPR 10	4.2	SIN Gear Oil 75 (J3)	1.3	ATF Synthetic	8.2	—	—	—	—	SIN Gear Oil 80	2.6	PAS Fluid
T-Series (also see FPV/FTe)	1999-2002	HPR 5/SIN 0	5.0	Manual Gear Oil 75	1.9	ATF 95LE/ATF Synthetic	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid
Zephyr Mk IV, V4/V6	1966-1972	HPR 30	3.4/4.5	Manual Gear Oil 80	1.8	ATF 33	6.4/8.2	—	—	—	—	Hypoid 80W-90	1.7	—

NOTES (C2) - If 4 speed use Manual Gear Oil 80, 1.8L, (C4) - May also use SIN Manual Trans, (D2) - If limited slip differential fitted, use Linslip 90 (1.3L standard, or 2.3L for Traction-Lok/Daytona), (E3) - May also use Transaxle 75, (F1) - If Ford FMX use ATF 33 (10.5L), if C4 use ATF DX-II (9.4L), (G1) - Borg Warner Auto 1981 on, ID numbers 78DA-7000CA, 78DA-8000DA, 80BA-8000AA may use ATF DX-II, Ford C-4 Code C19B from 1980 use ATF DX-II, (H1) - Check under bonnet label - some transmissions may require ATF 33, (H3) - If ZF 6 speed 6 HP26 auto, use ATF DX-VI, (I1) - C-3 81DF7000-AJA-on (red dipstick/tube) 1981 approx on, use ATF DX-II, (J1) - If limited slip differential fitted, use Linslip 90, (J3) - Hydraulic shift mechanism (ASM) use Penrite SSF, (N4) - May also use ATF Synthetic in BTR 4 Speed automatics, (P1) - C4 use ATF 33, C5 or C6 use ATF DX-II, (Q1) - Transfer case NPG208 use ATF DX-II or NP205 use HPR 30, (R1) - Mazda M50D use ATF DX-II (3.3L), New Process use HPR 30 (3.4/3.1L), (R3) - Electrohydraulic power steering use Penrite SSF, (U2) - High performance models may use Manual Gear Oil 75, (Y2) - CVT Refer to Dealer

FPV (FTe)

F6 Tornado and Typhoon BA 4.0L Turbo	2004-2005	SIN 0	6.6	Manual Gear Oil 70	4.8	ATF 95LE/ATF Synthetic	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid/ATF Top Up
F6 Tornado and Typhoon BF 4.0L Turbo	2005-2007	SIN 0	7.0	Manual Gear Oil 70	4.8	ATF DX-VI	8.0	—	—	—	—	SIN Gear Oil 80	1.8	Power Steering Fluid
T-Series 5.0L/5.6L	1999-2002	HPR 5/SIN 0	6.5	Manual Gear Oil 75	1.9	ATF 95LE/ATF Synthetic	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid
GT, GTP, Pursuit (BA, BF Series)	2003-2005	HPR 5/SIN 0	6.2	Manual Gear Oil 70	3.8	ATF 95LE/ATF Synthetic (H3)	4.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid (U2)

NOTES (H3) - If ZF 6 speed 6 HP26 auto, use ATF DX-VI (U2) - High performance models may use Manual Gear Oil 75.

FSM

Niki 650	1989-1993	HPR 30	2.5	HPR 30	1.1	—	—	—	—	—	—	Combined Transmission	—	—
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HILLMAN

Arrow, Hunter, Hustler	1967-1973	HPR 30	4.0	HPR 10	2.0	ATF DX-II	6.4	—	—	—	—	Hypoid 80W-90	1.0	—
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HOLDEN

Adventra	2004-2006	HPR 10/SIN 0	5.6	—	—	ATF DX-III	5.0	Manual Gear Oil 70	—	SIN Gear Oil 80	0.8	SIN Gear Oil 80	1.7	Power Steering Fluid/ATF Top Up
Apollo JK/JL, 2.0L	1989-1993	HPR 15	4.1	Transaxle 75	2.6	ATF DX-II	5.6	—	—	—	—	ATF DX-II (F3)	1.6	Power Steering Fluid/ATF Top Up
Apollo JM/JP 2.2L	1993-1997	HPR 15	3.6	Transaxle 75	2.6	ATF DX-II	2.5	—	—	—	—	ATF DX-II (F3)	1.6	Power Steering Fluid/ATF Top Up
Apollo JM/JP 3.0L	1993-1997	HPR 15	4.3	—	—	ATF DX-II	2.5	—	—	—	—	ATF DX-II (F3)	0.8	Power Steering Fluid/ATF Top Up
Astra 1.7L turbo diesel	1995-1998	HPR Diesel 5	4.5-5.0	Manual Gear Oil 80	2.1	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid
Astra AH 1.8L petrol	2004-2007	HPR 5	4.3	Manual Gear Oil 75	1.6	ATF MHP	4.0	—	—	—	—	Combined Transmission	—	Penrite SSF
Astra AH 1.9L CDTi	2006-2007	HPR 0 (H4)	4.3	Manual Gear Oil 75	1.6-2.4	ATF MHP	4.0	—	—	—	—	Combined Transmission	—	Penrite SSF
Astra AH 2.0L SRi Turbo	2006-2007	HPR 5/SIN 0	4.3	Manual Gear Oil 75	2.4	—	—	—	—	—	—	Combined Transmission	—	Penrite SSF
Astra LB 1.5L	1984-1986	HPR 30	3.3	Transaxle 75	2.7	ATF DX-II	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Astra LC 1.6L ULP	1986-1987	HPR 15	3.9	Transaxle 75	2.7	ATF DX-II	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Astra LD	1987-1989	HPR 15	3.3	Transaxle 75	2.7	ATF DX-II	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up

CGN/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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HOLDEN (Cont'd)

Astra TR 1.6L	1996-1998	HPR 10	3.5	SIN Gear Oil 75	1.6	ATF DX-II/MHP/SIN Auto	3.0/3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Astra TR 1.8L, 2.0L	1996-1998	HPR 10	4.0	SIN Gear Oil 75	1.9	ATF DX-II/MHP/SIN Auto	3.0/3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Astra TS 1.8L, 1.8L Turbo/Astra Classic	1998-2005	HPR 10/SIN 5	4.3	SIN Manual Trans	1.6	ATF DX-II/MHP/SIN Auto	4.0	—	—	—	—	Combined Transmission	—	Penrite SSF
Astra TS SRi, 2.2L	2001-2005	HPR 10	5.0	SIN Manual Trans	—	ATF DX-II/MHP/SIN Auto	—	—	—	—	—	Combined Transmission	—	Penrite SSF
Barina MB, ML	1985-1989	HPR 30	4.0	Manual Gear Oil 80	2.3	ATF DX-II	4.5	—	—	—	—	Combined Transmission	—	—
Barina MF, MH	1989-1994	HPR 15	3.3	SIN Gear Oil 75	2.3	ATF DX-II	4.5	—	—	—	—	Combined Transmission	—	—
Barina SB 1.2L/1.4L	1994-2001	HPR 10	3.5	Manual Gear Oil 80	1.6	ATF DX-II	5.0	—	—	—	—	Combined Transmission	—	—
Barina SB GSi, 1.6L	1994-2001	HPR 10	3.3	Manual Gear Oil 80	1.8	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Barina TK	2005-2007	HPR 10/SIN 5	3.8	Manual Gear Oil 80	1.8	ATF MHP	2.1 - 5.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Barina XC	2001-2006	HPR 10/SIN 5	3.5	Manual Gear Oil 80	1.6	ATF DX-II/MHP/SIN Auto	—	Refer to dealer	—	—	—	Combined Transmission	—	Penrite SSF
Calibra 2.0L 16V, 2.5L V6	1991-1997	HPR 10/SIN 5	4.5	Manual Gear Oil 80	1.9	ATF DX-II/SIN Auto	3.0/3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Calibra 2.0L BV	1991-1995	HPR 10/SIN 5	3.5	—	—	ATF DX-II/SIN Auto	3.0/3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Calibra 4X4 Turbo	1994-1997	HPR 10/SIN 5	4.5	Manual Gear Oil 80	1.8	—	—	Refer to dealer	0.6	Combined Transmission	—	SIN Gear Oil 75	0.8	Power Steering Fluid/ATF Top Up
Camira JB	1982-1985	HPR 30	3.0	Manual Gear Oil 80	2.0	ATF DX-II	5.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Camira JD/JE	1985-1989	HPR 30	3.0	Manual Gear Oil 80	2.0	ATF DX-II	3.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Captiva	2006-2007	HPR 5	—	—	—	ATF MHP	—	Refer to Dealer	—	Refer to Dealer	—	—	—	PAS Fluid
Captiva 2.0L diesel	2007	HPR 0 (H4)	—	—	—	ATF MHP	—	Refer to Dealer	—	Refer to Dealer	—	—	—	PAS Fluid
Combo	1996-2001	HPR 10	3.5	Manual Gear Oil 80	1.6	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid
Combo XC	2002-2006	HPR 10	4.2	Manual Gear Oil 80	1.6	—	—	—	—	—	—	Combined Transmission	—	Penrite SSF
Commodore VB/VC/VH, 2.85L/3.3L (4 speed manual)	1978-1984	HPR 40	3.4	Manual Gear Oil 80	1.8	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
Commodore VB/VC/VH, 2.85L/3.3L (5 speed manual)	1978-1984	HPR 40	3.4	Manual Gear Oil 80	2.8	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
Commodore VB/VC/VH, 4.2L/5.0L	1978-1984	HPR 40	4.0	Manual Gear Oil 80	2.0	ATF DX-II	3.7/3.0	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
Commodore VC/VH, 1.9L (4 speed manual)	1980-1983	HPR 30	3.2	Manual Gear Oil 80	1.8	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
Commodore VC/VH, 1.9L (5 speed manual)	1981-1983	HPR 30	3.2	Manual Gear Oil 80	2.8	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
Commodore VE 6.0L Gen IV V8	2006-2007	HPR 5/SIN 0	8.3	Manual Gear Oil 70	3.9	ATF DX-VI	(L4)	—	—	—	—	SIN Gear Oil 80	1.0	PAS Fluid
Commodore VE V6	2006-2007	HPR 5/SIN 0	6.5	(O2)	—	ATF DX-VI	(L4)	—	—	—	—	Transaxle 75 (K4)	1.0	PAS Fluid
Commodore VK, 3.3L (4 speed manual)	1984-1986	HPR 30/SIN 25	3.8	SIN Gear Oil 75	2.8	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	1.4	Power Steering Fluid/ATF Top Up
Commodore VK, 3.3L (5 speed manual)	1984-1986	HPR 30/SIN 25	3.8	SIN Gear Oil 75	1.8	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	1.4	Power Steering Fluid/ATF Top Up
Commodore VK, 5.0L	1984-1986	HPR 30/SIN 25	4.3	SIN Gear Oil 75	1.9	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	1.4	Power Steering Fluid/ATF Top Up
Commodore VL Calais, SV88 5.0L	1988	HPR 30/SIN 25	4.3	—	—	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/ATF Top Up
Commodore VL Group A (T5 5-speed)	1987-1988	HPR 30/SIN 25	4.3	SIN Gear Oil 75	2.6	—	—	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/ATF Top Up
Commodore VL, 3.0L	1986-1988	HPR 30/SIN 10	5.0	SIN Gear Oil 75	1.9	ATF DX-II	2.5	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/ATF Top Up
Commodore VL, 3.0L Turbo	1986-1988	HPR 30/SIN 10	5.0	SIN Gear Oil 75	2.4	ATF DX-II	2.5	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/ATF Top Up
Commodore VL, 5.0L	1986-1988	HPR 30/SIN 25	4.3	—	—	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/ATF Top Up
Commodore VN 5.0L	1988-1991	HPR 15/SIN 10	5.1	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Commodore VN Group A, 5.0L (ZF 6 speed)	1990-1991	HPR 15/SIN 10	5.2	Manual Gear Oil 75	2.1	—	—	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Commodore VN, (Incl SV3800) 3.8L	1988-1991	HPR 15/SIN 10	4.1	Manual Gear Oil 75	1.9	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VP/VR, 3.8L	1991-1995	HPR 15/SIN 10	4.1	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VP/VR, 5.0L	1991-1995	HPR 15/SIN 10	5.1	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Commodore VS Series II, 3.8L (incl. V6 ute)	1996-1997	HPR 10/SIN 10	4.3	Manual Gear Oil 75	1.7	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VS to VT, 5.0L (incl. V6 ute)	1995-1999	HPR 10/SIN 10	5.1	Manual Gear Oil 75	1.9	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Commodore VS, 3.8L	1995-1996	HPR 10/SIN 10	4.3	Manual Gear Oil 75	1.9	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VT, 3.8L	1997-1999	HPR 10/SIN 5	4.8	Manual Gear Oil 75	1.2	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VT Series II, 3.8L	1999-2000	HPR 10/SIN 5	4.8	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	5.0	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VT Series II, 5.7L	1999-2000	HPR 5/SIN 0	5.1	Manual Gear Oil 75	4.4	ATF DX-III/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Commodore VX/VU, 3.8L	2000-2001	HPR 10/SIN 5	4.8	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VX/VU, 5.7L	2000-2001	HPR 5/SIN 0	5.1	Manual Gear Oil 75 (O2)	4.4	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Commodore VY, 3.8L	2002-2004	HPR 10/SIN 5	6.1	Manual Gear Oil 75 (O2)	2.0	ATF DX-III/SIN Auto	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Commodore VY, 5.7L	2002-2004	HPR 5/SIN 0	5.1	Manual Gear Oil 75 (O2)	4.4	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
HOLDEN (Cont'd)														
Commodore VZ, 3.6L	2004-2006	HPR 5/SIN 0	6.5	Manual Gear Oil 75 (O2)	—	ATF DX-III/SIN Auto	—	—	—	—	—	Linslip 90	—	Power Steering Fluid/PAS Fluid
Commodore VZ, 5.7L/6.0L	2004-2006	HPR 5/SIN 0	5.1	Manual Gear Oil 75 (O2)	—	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Crewman (Cross 6) 3.6L V6	2004-2006	HPR 10/SIN 5	5.6	—	—	ATF DX-III/SIN Auto	5.0	Manual Gear Oil 75	—	SIN Gear Oil 80	0.8	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Crewman (Cross 8) 5.7L/6.0L V8	2004-2006	HPR 10/SIN 0	8.0	—	—	ATF DX-III/SIN Auto	5.0	Manual Gear Oil 75	—	SIN Gear Oil 80	0.8	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Cruze	2002-2005	HPR 10	3.8	SIN Gear Oil 75	2.2	ATF DX-III	5.8	Hypoid 80W-90	0.5	Combined Transmission	—	Hypoid 80W-90	1.0	—
Drover	1985-1987	HPR 30	3.5	Hypoid 80W-90	1.3	—	—	Hypoid 80W-90	0.8	Hypoid 80W-90	1.5	Hypoid 80W-90	1.3	—
Epica 2.0L and 2.5L petrol	2006-2007	HPR 5	—	Refer to Dealer	—	ATF MHP	—	—	—	—	—	Combined Transmission	—	Refer to Penrite
Frontera MX 2.2L	1999-2003	HPR 10	4.5	Manual Gear Oil 75	2.1	—	—	Manual Gear Oil 75	1.5	SIN Gear Oil 75	1.3	SIN Gear Oil 75	1.8	Power Steering Fluid/ATF Top Up
Frontera MX 3.2L	1999-2003	HPR 10	4.7	Manual Gear Oil 75	3.0	ATF DX-II	—	Manual Gear Oil 75	1.5	SIN Gear Oil 75	1.3	SIN Gear Oil 75	1.8	Power Steering Fluid/ATF Top Up
Frontera Sport	1995-1999	HPR 10	4.5	Manual Gear Oil 75	4.4	—	—	Manual Gear Oil 75	—	SIN Gear Oil 80	0.9	SIN Gear Oil 80	1.9	Power Steering Fluid/ATF Top Up
Gemini RB	1985-1987	HPR 30	2.8	HPR 30	2.8	ATF DX-II	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Gemini TD/TE/Tf/TG petrol	1978-1985	HPR 30	3.2	Manual Gear Oil 80	1.0	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	—
Gemini TE/Tf/TG, diesel	1981-1984	HPR Diesel	4.7	Manual Gear Oil 80	4.0	—	—	—	—	—	—	Linslip 90	1.0	—
Gemini TX, TC	1975-1978	HPR 30	3.2	Manual Gear Oil 80	1.3	ATF DX-II	2.3	—	—	—	—	Linslip 90	0.8/1.2	—
HJ 6 cylinder/V8	1974-1975	HPR 40	3.4/4.0	Manual Gear Oil 80 (C4)	2.0	ATF DX-II	2.2/3.7	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
HQ 350 V8	1971-1974	HPR 40	4.0	Linslip 90	1.1	ATF DX-II	3.7	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
HQ 6 cylinder and 253, 308 V8	1971-1974	HPR 40	3.4/4.0	Manual Gear Oil 80 (C4)	2.0	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
HT/HG 6 cylinder/V8 3 speed/4 speed	1968-1971	HPR 40	3.4/3.7	Hypoid 80W-90	2.1/1.6	ATF DX-II	2.3	—	—	—	—	Linslip 90	1.4	—
HX/HZ 1 Tonner 3.3L	1976-1985	HPR 40	4.2	Hypoid 80W-90	2.0	ATF DX-II	1.7	—	—	Linslip 90	1.4	—	—	—
HX/HZ 1 Tonner 4.2L	1976-1985	HPR 40	4.8	Hypoid 80W-90	2.0	ATF DX-II	1.7	—	—	Linslip 90	1.4	—	—	—
HX/HZ 6 cylinder/V8	1976-1980	HPR 40	3.4/4.0	Manual Gear Oil 80 (C4)	2.0	ATF DX-II	2.2/3.0	—	—	—	—	Linslip 90	1.4	Power Steering Fluid/ATF Top Up
Jackaroo petrol	1982-1985	HPR 30	5.0	Manual Gear Oil 75	2.5/4.6	—	—	Manual Gear Oil 75	—	Linslip 90	1.0	Linslip 90	1.5	—
Jackaroo 2.2L Diesel	1982-1983	HPR Diesel	6.0	Manual Gear Oil 75	2.5	—	—	Manual Gear Oil 75	—	Linslip 90	1.0	Linslip 90	1.5	—
Jackaroo 2.2L Turbo Diesel	1984-1988	HPR Diesel	6.2	Manual Gear Oil 75	2.5/4.6	—	—	Manual Gear Oil 75	—	Linslip 90	1.0	Linslip 90	1.5	Power Steering Fluid/ATF Top Up
Jackaroo 2.2L petrol	1985-1988	HPR 30	4.9	Manual Gear Oil 75	4.6	—	—	Manual Gear Oil 75	—	Linslip 90	1.0	Linslip 90	1.5	Power Steering Fluid/ATF Top Up
Jackaroo 2.6L	1988-1992	HPR 30	4.9	Manual Gear Oil 75	3.0	ATF DX-III	4.5	Manual Gear Oil 75	1.5	Linslip 90	1.5	Linslip 90	1.8	Power Steering Fluid/ATF Top Up
Jackaroo 2.8L Turbo Diesel	1988-1992	HPR Diesel	4.5	Manual Gear Oil 75	3.0	—	—	Manual Gear Oil 75	1.5	Linslip 90	1.5	Linslip 90	1.8	Power Steering Fluid/ATF Top Up
Jackaroo 3.1L Turbo Diesel	1992-1998	HPR Diesel 15	6.0	Manual Gear Oil 75	2.7	—	—	Manual Gear Oil 75	1.5	SIN Gear Oil 75	1.3	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Jackaroo 3.2L	1992-1998	HPR 15	6.0	Manual Gear Oil 75	3.0	ATF DX-III	8.6	Manual Gear Oil 75	1.5	SIN Gear Oil 75	1.5	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Jackaroo/Monterey, 3.0L diesel	1999-2004	HPR Diesel 5 (H4)	7.5	Manual Gear Oil 75	2.7	ATF DX-III	8.7	Manual Gear Oil 75	1.4/1.9	SIN Gear Oil 80	1.4	SIN Gear Oil 80	3.0	Power Steering Fluid/ATF Top Up
Jackaroo/Monterey, 3.5L petrol	1999-2004	HPR 10	4.7	Manual Gear Oil 75	2.7	ATF DX-III	3.8	Manual Gear Oil 75	1.4/1.9	SIN Gear Oil 80	1.4	SIN Gear Oil 80	3.0	Power Steering Fluid/ATF Top Up
Monaro CV6, 3.8L	2001-2003	HPR 10/SIN 5	4.8/6.1	Manual Gear Oil 75	4.4	ATF DX-III/SIN Auto	5.0	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/PAS Fluid
Monaro CV8, 5.7L	2001-2004	HPR 5/SIN 0	5.1	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Nova LE/LF/LG 1.4L/1.6L	1989-1996	HPR 15	3.3/3.0	Transaxle 75	2.6	ATF DX-II	3.1	—	—	—	—	ATF DX-II (F3)	1.4	Power Steering Fluid/ATF Top Up
Nova LF/LG, 1.8L	1992-1996	HPR 15	3.7	Transaxle 75	2.6	ATF DX-II	3.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
One Tonner, VV, VZ V6	2002-2006	HPR 10/SIN 10	5.6	Manual Gear Oil 75	1.2/2.0	ATF DX-III/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid/PAS Fluid
One Tonner, VV, VZ V8 5.7L	2002-2006	HPR 5/SIN 10	5.7/6.2	Manual Gear Oil 70	4.4	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid/PAS Fluid
Piazza	1986-1987	HPR 30	3.4	Manual Gear Oil 75	1.5	ATF DX-II	6.3	—	—	—	—	Linslip 90	1.5	Power Steering Fluid/ATF Top Up
Rodeo KB 4x4	1981-1983	HPR 30	3.2	Manual Gear Oil 75	2.5	—	—	Manual Gear Oil 75	—	Linslip 90	0.8	Linslip 90	1.3	—
Rodeo KB 4x4 1.9L	1983-1987	HPR 30	4.5	Manual Gear Oil 75	2.5	—	—	Manual Gear Oil 75	—	Linslip 90	0.8	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Rodeo KB 4x4 2.2L	1985-1988	HPR 30	4.9	Manual Gear Oil 75	4.6	—	—	Manual Gear Oil 75	—	Linslip 90	0.8	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Rodeo KB 4x4 Diesel	1981-1988	HPR Diesel	6.2	Manual Gear Oil 75	2.5/4.6	—	—	Manual Gear Oil 75	—	Linslip 90	1.2	Linslip 90	0.8/1.0	Power Steering Fluid/ATF Top Up
Rodeo KB Diesel	1981-1988	HPR Diesel	6.2	Manual Gear Oil 75	1.4	—	—	—	—	—	—	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Rodeo KB, G161Z/G180Z Engines	1981-1983	HPR 30	3.2	Manual Gear Oil 75	1.3	—	—	—	—	—	—	Linslip 90	1.3	—
Rodeo KB, G200Z/4Z01 Engines	1983-1986	HPR 30	4.5/4.9	Manual Gear Oil 75	1.3/1.5	—	—	—	—	—	—	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Rodeo RA 2.4L petrol	2006-2007	HPR 10	4.7	Manual Gear Oil 75	3.0	—	—	—	—	—	—	Linslip 85W-140	2.4	Power Steering Fluid/ATF Top Up
Rodeo RA 2.4L/3.5L (incl 4X4)	2003-2006	HPR 10	4.7/5.3	Manual Gear Oil 75	3.0	ATF DX-III	8.7	Manual Gear Oil 75	1.3	Linslip 85W-140	1.4	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up
Rodeo RA 3.0L diesel incl 4x4	2006-2007	HPR Diesel 5/15	4.2/5.2	Manual Gear Oil 75	3.0	ATF Synthetic	9.4	Manual Gear Oil 75	1.3	SIN Gear Oil 80	1.4	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up
Rodeo RA 3.0L Turbo Diesel	2003-2006	HPR Diesel 5/15	6.5	Manual Gear Oil 75	3.0	—	—	—	—	—	—	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
HOLDEN (Cont'd)														
Rodeo RA 3.0L Turbo Diesel 4x4	2003-2006	HPR Diesel 5/15	7.3	Manual Gear Oil 75	3.0	ATF DX-III	9.4	Manual Gear Oil 75	1.3	Limslip 85W-140	1.4	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up
Rodeo RA 3.5L petrol incl 4x4	2006-2007	HPR 10	5.2/6.2	Manual Gear Oil 75	2.3	ATF Synthetic	7.9	Manual Gear Oil 75	1.3	SIN Gear Oil 80	1.4	SIN Gear Oil 80	2.4	Power Steering Fluid/ATF Top Up
Rodeo TF 2.2L, 3.2L	1998-2003	HPR 10	4.5	Manual Gear Oil 75	2.9	—	—	—	—	—	—	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 2.6L	1993-1998	HPR 15	4.5	Manual Gear Oil 75	2.9	ATF DX-III	6.5	—	—	—	—	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 2.6L 4ZE1	1988-1992	HPR 30	4.9	Manual Gear Oil 75	2.9	ATF DX-III	6.5	—	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 2.8L Turbo Diesel	1993-2003	HPR Diesel 15	6.5	Manual Gear Oil 75	2.9	ATF DX-III	6.5	—	—	—	—	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 2300	1991-1993	HPR 30	4.9	Manual Gear Oil 75	2.9	—	—	—	—	—	—	Hypoid 80W-90	1.5	Power Steering Fluid/ATF Top Up
Rodeo TF 4x4 2.5L Diesel	1988-1991	HPR Diesel	4.5	Manual Gear Oil 75	4.6	—	—	Manual Gear Oil 75	—	SIN Gear Oil 75	1.5	Limslip 90	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 4x4 2.6L	1988-1992	HPR 30	4.9	Manual Gear Oil 75	4.4	—	—	Manual Gear Oil 75	—	Limslip 90	1.5	Limslip 90	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 4x4 2.6L	1993-1998	HPR 15	4.5	Manual Gear Oil 75	2.9	—	—	Manual Gear Oil 75	1.4	Limslip 90	1.4	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 4x4 2.8L Turbo Diesel	1990-1992	HPR Diesel	5.0	Manual Gear Oil 75	2.9	—	—	Manual Gear Oil 75	1.4	SIN Gear Oil 75	1.5	Limslip 90	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 4x4 2.8L Turbo Diesel	1993-2003	HPR Diesel 15	6.5	Manual Gear Oil 75	2.9	—	—	Manual Gear Oil 75	1.4	SIN Gear Oil 75	1.4	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF 4x4 3.2L	1998-2003	HPR 10	4.5	Manual Gear Oil 75	2.9	—	—	Manual Gear Oil 75	1.4	SIN Gear Oil 80	1.4	SIN Gear Oil 80	1.8	Power Steering Fluid/ATF Top Up
Rodeo TF Diesel	1988-1992	HPR Diesel	4.5	Manual Gear Oil 75	1.5	—	—	—	—	—	—	Hypoid 80W-90	1.5	—
Scurry NB	1985-1987	HPR 30	3.2	Manual Gear Oil 80	1.3	—	—	—	—	Limslip 90	1.3	—	—	—
Shuttle	1982-1987	HPR 30	5.0	Manual Gear Oil 75	1.5	—	—	—	—	—	—	Limslip 90	1.4	—
Shuttle	1987-1991	HPR 30	4.1	Manual Gear Oil 75	1.5	ATF DX-III	6.5	—	—	—	—	Limslip 90	1.4	—
Shuttle - diesel	1982-1986	HPR Diesel	6.0	Manual Gear Oil 75	1.5	—	—	—	—	—	—	Limslip 90	1.4	—
Statesman, Caprice VQ to VR, 3.8L	1991-1995	HPR 10/SIN 10	4.1	—	—	ATF DX-III/SIN Auto	4.8	—	—	—	—	Limslip 90	1.7	Power Steering Fluid/PAS Fluid
Statesman, Caprice VQ to VS III, 5.0L	1990-1999	HPR 15/SIN 10	5.1	—	—	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Statesman, Caprice VS to VS III, 3.8L	1995-1999	HPR 10/SIN 10	4.3/4.8	—	—	ATF DX-III/SIN Auto	4.8	—	—	—	—	Limslip 90	1.7	Power Steering Fluid/PAS Fluid
Statesman, Caprice WH/WK, 3.8L	2000-2005	HPR 10/SIN 5	4.8/6.1	—	—	ATF DX-III/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Statesman, Caprice WH/WK, 5.7L	2000-2005	HPR 5/SIN 0	5.1	—	—	ATF DX-III/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	Power Steering Fluid/PAS Fluid
Statesman, Caprice WL 6.0L V8	2004-2006	HPR 5/SIN 0	6.2	—	—	ATF DX-III/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid/PAS Fluid
Statesman, Caprice WL V6	2004-2006	HPR 10/SIN 5	6.5	—	—	ATF DX-III/SIN Auto	4.6	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid/PAS Fluid
Statesman, Caprice WM V8	2006-2007	HPR 5/SIN 0	8.3	—	—	ATF DX-VI	5.7	—	—	—	—	SIN Gear Oil 80	—	PAS Fluid
Suburban - petrol	1998-2000	HPR 10	4.8	—	—	ATF DX-III	4.7	ATF DX-III	2.1	Limslip 90	1.4	Limslip 90	1.8	PAS Fluid
Suburban - diesel	1998-2000	HPR Diesel 15	7.6	—	—	ATF DX-III	7.3	ATF DX-III	2.1	Limslip 90	1.4	Limslip 90	1.8	Power Steering Fluid/ATF Top Up
Sunbird 1900, Sunbird UC (Opel engine)	1976-1978	HPR 30	3.5	Manual Gear Oil 80	2.0/1.8	ATF DX-II	2.3	—	—	—	—	Limslip 90	1.4	—
Sunbird UC, Starfire engine	1978-1980	HPR 30	3.2	Manual Gear Oil 80	1.8	ATF DX-II	2.3	—	—	—	—	Limslip 90	1.4	—
Tigra 1.8L	2006-2007	HPR 5/SIN 0	4.3	Manual Gear Oil 75	1.6	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Torana HB, LC 1200 engine	1967-1972	HPR 30	2.5	HPR 30	0.5	ATF DX-II	5.7/1.2	—	—	—	—	Hypoid 80W-90	0.7	—
Torana LC, LJ 1600/1760 engines	1971-1974	HPR 30	4.3	HPR 30	1.4	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	0.8	—
Torana LC, LJ 6 cylinder	1969-1974	HPR 40	3.4	Manual Gear Oil 80	2.0	ATF DX-II	2.3	—	—	—	—	Limslip 90	1.4	—
Torana LH, LX, UC 4cylinder, 6 cylinder/V8	1974-1980	HPR 30/SIN 25	3.5/4.0	Manual Gear Oil 80	2.0	ATF DX-II	2.3	—	—	—	—	Limslip 90	1.4	—
Torana LJ 4 cylinder	1972-1974	HPR 30	2.5	HPR 30	0.5	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	0.8	—
Torana TA 1300/1760 engines	1974-1975	HPR 30	2.5/4.3	HPR 30	0.5/1.4	ATF DX-II	2.3	—	—	—	—	Hypoid 80W-90	0.8	—
Vectra 1.7L turbo diesel	1992-1998	HPR Diesel 5	4.5-5.0	Manual Gear Oil 80	2.1	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid
Vectra JR, 2.0L/2.5L	1997-1998	HPR 10	4.5	SIN Gear Oil 75	1.8	ATF DX-II/MHP	4.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Vectra JS, JS II, 2.0L	1998-2001	HPR 10	5.2	SIN Gear Oil 75	1.8	ATF DX-II/MHP	4.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Vectra JS, JS II, 2.2L	1998-2003	HPR 10	4.4	SIN Gear Oil 75	1.8	ATF DX-II/MHP	4.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Vectra JS, JS II, 2.5L/2.6L	1998-2003	HPR 10	4.5	SIN Gear Oil 75	—	ATF DX-II/MHP	4.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Vectra ZC 2.2L/3.2L	2003-2006	HPR 10	5.0/4.8	SIN Gear Oil 75	1.9	ATF MHP	4.0	—	—	—	—	Combined Transmission	—	Penrite SSF
Vivo 1.8L	2006-2007	HPR 5	4.0	Manual Gear Oil 80	1.9	ATF MHP	6.9	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
WB Series, 3.3L, 4.2L/5.0L	1980-1985	HPR 40	3.4/4.0	Manual Gear Oil 80	1.8	ATF DX-II	2.2/3.0	—	—	—	—	Limslip 90	1.4	Power Steering Fluid/ATF Top Up
Zafira	2001-2005	HPR 10	5.0	SIN Gear Oil 75	1.4	ATF DX-II/MHP	4.0	—	—	—	—	Combined Transmission	—	Penrite SSF

NOTES (C4) - May also use SIN Manual Trans (F3) - With auto only. (H4) - Sole recommendation for engine (K4) - If limited slip differential fitted use SIN Gear Oil 80 (L4) - 4 speed 5.0L, 5 speed 6.0L, 6 speed 5.7L (O2) - T-56 transmission use Manual Gear Oil 70 3.9L Aisin 6 speed use SIN Manual Trans, 1.8L.

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
HONDA														
1300 Coupe 7, Coupe 9	1970-1973	HPR 30	3.0	Manual Gear Oil 80	2.0	—	—	—	—	—	—	Combined Transmission	—	—
Accord	1986	HPR 30	3.5	Manual Gear Oil 75	2.5	ATF DX-II	3.0	—	—	—	—	Combined Transmission	—	HPSO
Accord	1977-1983	HPR 30	3.0	Manual Gear Oil 75	2.5	ATF DX-II	2.5	—	—	—	—	Combined Transmission	—	HPSO
Accord	1984-1985	HPR 30	3.0	Manual Gear Oil 75	2.4	ATF DX-II	2.8	—	—	—	—	Combined Transmission	—	HPSO
Accord	1987-1989	HPR 15	3.5	Manual Gear Oil 75	2.3	ATF DX-II	2.4	—	—	—	—	Combined Transmission	—	HPSO
Accord	1989-1993	HPR 15	3.8	Manual Gear Oil 75	1.9	ATF Synthetic/ATF MHP	2.4	—	—	—	—	Combined Transmission	—	HPSO
Accord	1993-2003	HPR 10	3.8/4.3	Manual Gear Oil 75	1.9	ATF MHP/SIN Auto	2.4	—	—	—	—	Combined Transmission	—	HPSO
Accord V6	1997-2003	HPR 10	4.4	—	—	ATF MHP/SIN Auto	2.9	—	—	—	—	Combined Transmission	—	HPSO
Accord Euro, Accord Vti, V6 (2.4L/3.0L)	2003-2006	HPR 5/SIN 0	4.2	Manual Gear Oil 75	1.9	ATF MHP/SIN Auto	2.8/5.0	—	—	—	—	Combined Transmission	—	HPSO
Civic	1980-1983	HPR 30	3.0	Manual Gear Oil 75	2.5	ATF DX-II	2.5	—	—	—	—	Combined Transmission	—	HPSO
Civic	1984-1987	HPR 30	3.5	Manual Gear Oil 75	2.3	ATF DX-II	2.4	—	—	—	—	Combined Transmission	—	HPSO
Civic	1988-1991	HPR 15	3.5	Manual Gear Oil 75	1.8	ATF Synthetic/ATF MHP	2.4	—	—	—	—	Combined Transmission	—	HPSO
Civic	1995-1999	HPR 10	3.3	Manual Gear Oil 75	1.8	ATF MHP/SIN Auto	2.7	—	—	—	—	Combined Transmission	—	HPSO
Civic (except Vti)	1991-1993	HPR 15	3.5	Manual Gear Oil 75	1.8	—	—	—	—	—	—	Combined Transmission	—	HPSO
Civic 1.7L	2000-2006	HPR 10/SIN 5	3.5	Manual Gear Oil 75	1.5	ATF MHP/SIN Auto	2.7	—	—	—	—	Combined Transmission	—	HPSO
Civic 1.8L, 2.0L	2006-2007	HPR 0/SIN 0	3.4	Manual Gear Oil 75	1.4	ATF MHP/SIN Auto	—	—	—	—	—	—	—	HPSO
Civic 1200, 1500	1973-1979	HPR 30	3.0	HPR 30	2.5	ATF DX-II	2.4	—	—	—	—	Combined Transmission	—	—
Civic 1300	1979-1983	HPR 30	3.0	Manual Gear Oil 75	2.5	ATF DX-II	2.5	—	—	—	—	Combined Transmission	—	HPSO
Civic 4WD Wagon	1988-1989	HPR 15	3.5	Manual Gear Oil 75	2.3	—	—	—	—	Combined Transmission	—	Hypoid 80W-90	0.7	HPSO
Civic Breeze	1991-1995	HPR 15	3.3	Manual Gear Oil 75	1.8	ATF Synthetic/ATF MHP	2.4	—	—	—	—	Combined Transmission	—	HPSO
Civic Hybrid 1.3L	2006-2007	HPR 0	3.2	—	—	ATF MHP	2.8	—	—	—	—	—	—	HPSO
Civic Vti	1993-2000	HPR 10/SIN 5	3.3	Manual Gear Oil 75	1.8	ATF MHP/SIN Auto	2.4	—	—	—	—	Combined Transmission	—	HPSO
Civic Vti	1999-2000	HPR 10/SIN 5	3.6	—	—	ATF MHP/SIN Auto	3.9	—	—	—	—	Combined Transmission	—	HPSO
Civic Vti - CVT	1995-2000	HPR 10/SIN 5	3.6	—	—	ATF MHP/SIN Auto	3.9	—	—	—	—	Combined Transmission	—	HPSO
Civic Vti Coupe	1996-1999	HPR 10/SIN 5	3.3	Manual Gear Oil 75	1.8	ATF MHP/SIN Auto	3.9	—	—	—	—	Combined Transmission	—	HPSO
Civic Vti-R	1995-1999	HPR 10/SIN 5	4.0	Manual Gear Oil 75	2.2	—	—	—	—	—	—	Combined Transmission	—	HPSO
Civic Vti-R	1999-2002	HPR 10/SIN 5	4.0	Manual Gear Oil 75	2.2	—	—	—	—	—	—	Combined Transmission	—	HPSO
Civic, 1.6L	1999-2003	HPR 10/SIN 5	3.3	Manual Gear Oil 75	1.8	ATF MHP/SIN Auto	2.7	—	—	—	—	Combined Transmission	—	HPSO
Concerto	1988-1992	HPR 15	4.0	Manual Gear Oil 75	1.8	ATF Synthetic/ATF MHP	2.4	—	—	—	—	Combined Transmission	—	HPSO
CR-V	1997-2001	HPR 10	3.8	Manual Gear Oil 75	1.7	ATF MHP/SIN Auto	2.9	—	—	Combined Transmission	—	ATF Synthetic/ATF MHP	1.0	HPSO
CR-V	2002-2006	HPR 5	4.2	Manual Gear Oil 75	2.3	ATF MHP/SIN Auto (Y2)	3.1	—	—	Combined Transmission	—	Refer to Penrite	1.0	HPSO
CRX Coupe	1988-1992	HPR 15	3.8	Manual Gear Oil 75	1.8	—	—	—	—	—	—	Combined Transmission	—	HPSO
CRX Coupe	1992-1996	HPR 15/SIN 10	4.0	Manual Gear Oil 75	2.3	—	—	—	—	—	—	Combined Transmission	—	HPSO
HR-V	1999-2001	HPR 10	3.3	Manual Gear Oil 75	1.7	ATF MHP/SIN Auto	3.7	—	—	Combined Transmission	—	Refer to Penrite	1.0	HPSO
Insight	2001-2005	HPR 0	2.5	Manual Gear Oil 75	1.5	ATF MHP/SIN Auto	—	—	—	—	—	Combined Transmission	—	HPSO
Integra Coupe	1998-1993	HPR 15/SIN 10	3.8	Manual Gear Oil 75	2.1	ATF Synthetic/ATF MHP	3.0	—	—	—	—	Combined Transmission	—	HPSO
Integra SX 16	1986-1989	HPR 15/SIN 10	3.5	Manual Gear Oil 75	2.3	ATF DX-II	2.4	—	—	—	—	Combined Transmission	—	HPSO
Integra GSi	1993-2001	HPR 10/SIN 5	3.8	Manual Gear Oil 75	2.2	ATF MHP/SIN Auto	2.7	—	—	—	—	Combined Transmission	—	HPSO
Integra Type R	1999-2001	HPR 5/SIN 0	4.0	Manual Gear Oil 75	2.3	—	—	—	—	—	—	Combined Transmission	—	HPSO
Integra Vti-R	1993-2001	HPR 10/SIN 5	4.0	Manual Gear Oil 75	2.2	—	—	—	—	—	—	Combined Transmission	—	HPSO
Integra Vti-R, Type R, Type S	2001-2006	HPR 5/SIN 0	4.7	Manual Gear Oil 75	2.3	—	—	—	—	—	—	Combined Transmission	—	HPSO
Jazz	2002-2006	HPR 5/SIN 0	3.6	Manual Gear Oil 75	1.5	ATF MHP	3.7	—	—	—	—	Combined Transmission	—	HPSO
LN360	—	HPR 30	3.0	Combined with Crankcase	—	—	—	—	—	—	—	Combined with Crankcase	—	—
Legend	1986-1987	HPR 15	4.5	Manual Gear Oil 75	2.2	ATF Synthetic/ATF MHP	3.0	—	—	—	—	Limitslip 90	1.0	HPSO
Legend	1988-2003	HPR 10	4.5	—	—	ATF MHP	3.2	—	—	—	—	Limitslip 90	1.0	HPSO
Logo	1999-2001	HPR 5	3.6	Manual Gear Oil 75	1.8	ATF MHP	3.9	—	—	—	—	Combined Transmission	—	HPSO
MDX	2003-2006	HPR 10	4.3	Manual Gear Oil 75	2.7	ATF MHP	2.8	Hypoid 80W-90	0.5	Refer to Penrite	—	Refer to Penrite	—	HPSO
NSX Coupe	1991-2004	HPR 10	5.0	Manual Gear Oil 75	2.7	ATF MHP/SIN Auto	2.9	—	—	—	—	Combined Transmission	—	HPSO
Odyssey 2.2L/2.3L	1995-2001	HPR 10	3.8/4.3	—	—	ATF MHP	2.5	—	—	—	—	Combined Transmission	—	HPSO

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
HONDA (Cont'd)														
Odyssey 2.4L	2004-2006	HPR 5	4.3	—	—	ATF MHP	3.1	—	—	—	—	Combined Transmission	—	HPSO
Odyssey 3.0L	2002-2003	HPR 5	4.4	—	—	ATF MHP	3.1	—	—	—	—	Combined Transmission	—	HPSO
Prelude	1983-1985	HPR 30/SIN 25	3.0	Manual Gear Oil 75	2.4	ATF Synthetic/ATF MHP	2.8	—	—	—	—	Combined Transmission	—	HPSO
Prelude	1986-1987	HPR 15/SIN 10	3.5	Manual Gear Oil 75	2.5	ATF DX-II	2.4	—	—	—	—	Combined Transmission	—	HPSO
Prelude	1987-1991	HPR 15/SIN 10	3.9	Manual Gear Oil 75	1.9	ATF DX-II	2.8	—	—	—	—	Combined Transmission	—	HPSO
Prelude 1.6L	1979-1982	HPR 30/SIN 25	3.0	Manual Gear Oil 75	2.5	ATF DX-II	2.5	—	—	—	—	Combined Transmission	—	HPSO
Prelude S	1991-1996	HPR 15/SIN 10	3.8	Manual Gear Oil 75	1.9	ATF Synthetic/ATF MHP	2.4	—	—	—	—	Combined Transmission	—	HPSO
Prelude Si	1991-1996	HPR 10/SIN 5	4.3	Manual Gear Oil 75	1.9	ATF Synthetic/ATF MHP	2.4	—	—	—	—	Combined Transmission	—	HPSO
Prelude Si	1997-2002	HPR 10/SIN 5	3.8	Manual Gear Oil 75	1.9	ATF MHP/SIN Auto	2.5	—	—	—	—	Combined Transmission	—	HPSO
Prelude VTR, ATTS	1994-2002	HPR 10/SIN 5	4.8	Manual Gear Oil 75	1.9	—	—	—	—	—	—	Combined Transmission	—	HPSO
S2000	1999-2006	HPR 5/SIN 0	4.8	Manual Gear Oil 75	1.5	—	—	—	—	—	—	Limitslip 90	0.7	HPSO
Scamp A360, A600 automatic	1969-1972	HPR 30	2.5	—	—	ATF DX-II	3.2	—	—	—	—	Combined Transmission	—	—
Scamp N360, N800 manual	1969-1972	HPR 30	3.0	Combined with crankcase	—	—	—	—	—	—	—	Combined with crankcase	—	—

NOTES (Y2) - CVT refer to dealer.

HSV

Avalanche 5.7L	2004-2005	SIN 0	8.0	—	—	ATF Synthetic/SIN Auto	5.0	Manual Gear Oil 75	—	SIN Gear Oil 80	0.8	SIN Gear Oil 80	1.7	PAS Fluid
Coupe 4 5.7L	2004-2005	SIN 0	6.2	—	—	ATF Synthetic/SIN Auto	5.0	Manual Gear Oil 75	—	SIN Gear Oil 80	0.8	SIN Gear Oil 80	1.7	PAS Fluid
GTO Coupe	2004-2006	SIN 0	6.2	Manual Gear Oil 70	4.4	ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.6	PAS Fluid
GTO, GTS Coupe 5.7L/6.0L	2001-2004	HPR 5/SIN 5	5.5	Manual Gear Oil 70	4.4	ATF DX-III/ATF Synthetic/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VE Series, 6.0L Gen IV V8	2006-2007	HPR 5/SIN 0	8.3	Manual Gear Oil 70	—	ATF DX-VI	5.7	—	—	—	—	SIN Gear Oil 80	—	PAS Fluid
VT 220i, 5.7L	1997-1999	HPR 10/SIN 5	5.1	Manual Gear Oil 75	3.9	ATF DX-III/ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VT II, VX 250i, 255, GTS, SV 300, WH Grange 5.7L	1999-2001	HPR 5/SIN 5	5.0	Manual Gear Oil 75	4.4	ATF DX-III/ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VT XU6, 3.8L	1998-2000	HPR 10/SIN 5	4.3	—	—	ATF DX-III/ATF Synthetic/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VT XU8, 195i, 5.0L	2000-2001	HPR 10/SIN 5	5.1	Manual Gear Oil 75	1.8	ATF DX-III/ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VX XU6, 3.8L	2000-2002	HPR 10/SIN 5	4.8	—	—	ATF DX-III/ATF Synthetic/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VXR 2.0L Turbo	2006-2007	HPR 5/SIN 0	5.0	Manual Gear Oil 75	2.4	—	—	—	—	—	—	Combined Transmission	—	Penrite SSF
VY 260/285 Series 5.7L	2002-2004	HPR 5/SIN 0	5.7-6.2	Manual Gear Oil 70	4.4	ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VY GTS 300 5.7L	2002-2004	HPR 5/SIN 0	5.7-6.2	Manual Gear Oil 70	4.4	ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
VZ Series Clubsport/RB/Maloo, Senator	2004-2006	SIN 0	6.2	Manual Gear Oil 70	4.4	ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.6	PAS Fluid
WH Grange 3.8L	1999-2004	HPR 10/SIN 5	4.8	—	—	ATF DX-III/ATF Synthetic/SIN Auto	4.8	—	—	—	—	SIN Gear Oil 80	1.7	ATF Synthetic/PAS Fluid
WL Grange 5.7L V8	2004-2005	HPR 5	6.2	—	—	ATF Synthetic/SIN Auto	5.0	—	—	—	—	SIN Gear Oil 80	1.6	PAS Fluid

HUMMER

H1	1995-1996	HPR 15/SIN 10	6.6-7.6	—	—	ATF DX-III	7.3-12.8	Manual Gear Oil 70	—	Hypoid 80W-90	1.9	Hypoid 80W-90 (E3)	1.9	PAS Fluid
H2	2003-2005	HPR 5/SIN 0	5.7	—	—	ATF DX-III	4.7	Manual Gear Oil 70	—	SIN Gear Oil 75	—	SIN Gear Oil 80	—	PAS Fluid
H2	2006-2007	SIN 0	5.7	—	—	ATF DX-VI	4.7	Manual Gear Oil 70	—	SIN Gear Oil 75	—	SIN Gear Oil 80	—	PAS Fluid
H3	2006-2007	SIN 0	5.7	Transaxle 75	—	ATF DX-VI	4.7	Manual Gear Oil 70	—	SIN Gear Oil 75	—	SIN Gear Oil 80	—	PAS Fluid

HYUNDAI

Accent (LC/MC)	2000-2006	HPR 10	3.3	Transaxle 75 (C4)	2.2	ATF MHP/SIN Auto	6.7	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Atoz	1998-2001	HPR 10	3.1	Transaxle 75	2.5	ATF MHP	3.4	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Coupe SX, FX, SFX	1996-2001	HPR 10	4.0	Manual Gear Oil 75 (C4)	2.1	ATF MHP/SIN Auto	4.5	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Elantra	2000-2006	HPR 10	4.0	Manual Gear Oil 75 (C4)	1.8	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Excel	1986-1990	HPR 15	4.0	Manual Gear Oil 80 (C4)	2.1	ATF MHP/SIN Auto	5.7	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Excel	1994-2000	HPR 10	3.3	Manual Gear Oil 75 (C4)	2.1	ATF MHP/SIN Auto	6.7	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Excel 1.5L (fuel injected)	1990-1994	HPR 15	3.4	Manual Gear Oil 80 (C4)	1.8	ATF MHP/SIN Auto	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Getz (TB)	2002-2007	HPR 10	3.3	Transaxle 75 (C4)	2.1	ATF MHP/SIN Auto	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Grandeur TG 3.8L	2006-2007	HPR 5	5.6	—	—	ATF MHP	10.9	—	—	—	—	Combined Transmission	—	Refer to Dealer

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.0

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
HYUNDAI (Cont'd)														
Grandeur/XG	1999-2005	HPR 10	4.3	—	—	ATF MHP	8.5	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Lantra	1991-2000	HPR 15	3.3/3.7	Transaxle 75	1.8	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Lavita	2001-2005	HPR 10	4.0	Manual Gear Oil 75 (C4)	1.8	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Pony	1982-1985	HPR 30	4.0	Transaxle 75	1.7	ATF MHP	6.2	—	—	—	—	Combined Transmission	—	—
Santa Fe (SM/CM)	2000-2007	HPR 10	4.4	Manual Gear Oil 75 (C4)	2.3	ATF MHP	8.5	Hypoid 80W-90	0.8	Combined transmission	—	Hypoid 80W-90	1.1	ATF MHP/Power Steering Fluid/ATF Top Up
Santa Fe CRDi diesel (CM)	2006-2007	HPR 0 (H4)	5.9	Manual Gear Oil 75 (C4)	2.3	ATF MHP	8.5	—	—	Combined Transmission	—	Hypoid 80W-90	1.1	ATF MHP/Power Steering Fluid/ATF Top Up
S Coupe	1990-1992	HPR 15	3.4	Transaxle 75	1.8	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
S Coupe (incl turbo)	1992-1996	HPR 15	3.3	Transaxle 75	2.1	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Sonata 2.0L	1993-1998	HPR 10	3.7	Transaxle 75	1.8	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Sonata 2.4L	1989-1991	HPR 15	3.3	Transaxle 75	2.5	ATF MHP	5.8	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Sonata 2.4L (NF)	2006-2007	HPR 5	4.0	Transaxle 75 (C4)	1.9	ATF MHP	7.8	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Sonata 3.3L (NF)	2006-2007	HPR 5	5.9	—	—	ATF MHP	10.9	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Sonata V6	1990-1993	HPR 15	4.0	—	—	ATF MHP	5.8	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Sonata V6	1993-2004	HPR 10	4.3	—	—	ATF MHP	7.5	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Terracan/Highlander (HP)	2001-2006	HPR 10	4.7	Transaxle 75 (C4)	3.2	ATF MHP/ATF DX-II	11.8	Manual Gear Oil 75	1.4	Linslip 90	1.3/1.8	Linslip 90	2.8	ATF MHP/Power Steering Fluid/ATF Top Up
Terracan/Highlander diesel (HP)	2004-2006	HPR Diesel 5	6.0	Transaxle 75 (C4)	3.2	ATF MHP/ATF DX-II	10.5	Manual Gear Oil 75	—	Linslip 90	1.3/1.8	Linslip 90	2.8	ATF MHP/Power Steering Fluid/ATF Top Up
Tiburon 2.0L/2.7L (GK)	2002-2006	HPR 5/SIN 0	4.0/4.3	Transaxle 75 (C4)	2.2	ATF MHP/SIN Auto	7.8	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Trajet (FO)	2000-2006	HPR 10	3.1	—	—	ATF MHP	3.4	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Tucson 2.0L/2.7L (JM)	2004-2006	HPR 10	4.0/4.7	Manual Gear Oil 75 (C4)	3.2	ATF MHP	10.0	Manual Gear Oil 75 (C4)	1.4	Linslip 90	1.8	Hypoid 80W-90	2.8	ATF MHP/Power Steering Fluid/ATF Top Up

NOTES (C4) - May also use SIN Manual Trans, (H4) - Sole recommendation for engine.

INTERNATIONAL

D1110, D1210, D1310	1972-1978	HPR 30	6.3	HPR 30	1.4, 3.3	—	—	—	—	—	—	Hypoid 80W-90	2.6/3.2	—
D1310 4x4, D1410 4x4	1972-1979	HPR 30	7.4	HPR 30	3.3	—	—	HPR 30	2.5	Hypoid 80W-90	1.8	Hypoid 80W-90	3.2	—
D1510, 6-281 engine	1972-1978	HPR 30	6.3	HPR 30	3.3	—	—	—	—	—	—	Hypoid 80W-90	3.2	—
D1510, V-304/345 engines	1976-1980	HPR 30	8.5	HPR 30	3.3	—	—	—	—	—	—	Hypoid 80W-90	3.2	—
D1530, Perkins Diesel	1972-1975	USA 25	16.4	HPR 30	3.3	—	—	—	—	—	—	Hypoid 80W-90	3.2	—
N1630, Nissan FD6/FD6T diesel	1984-1989	Japan 25	15.0	Hypoid 80W-90	—	—	—	—	—	—	—	Hypoid 80W-90	—	ATF Top Up/Power Steering Fluid
N1650, Nissan Diesel	1988-1992	Japan 25	12.0/14	Hypoid 80W-90	4.5	—	—	—	—	—	—	Hypoid 85W-140	4.0	ATF Top Up/Power Steering Fluid
N1750, Nissan Diesel	1990-1992	Japan 25	12.0/14	Hypoid 80W-90	6.5	—	—	—	—	—	—	Hypoid 85W-140	1.2	ATF Top Up/Power Steering Fluid
Scout II, Terra, Traveltop, Traveler	1978-1981	HPR 30	2.8	Manual Gear Oil 80	2.3	ATF DX-II	4.7	HPR 30	1.6	Hypoid 85W-140	2.1	Hypoid 85W-140	1.4	—

ISUZU

Belleit, GT 1600	1965-1971	HPR 30	3.3	Small Engine Mono SAE 30 (C4)	2.0	ATF 33	6.4	—	—	—	—	Hypoid 80W-90/85W-140	0.7	—
Florian 1600	1965-1971	HPR 30	2.8	Small Engine Mono SAE 30 (C4)	2.0	—	—	—	—	—	—	Hypoid 80W-90/85W-140	1.0	—
KB20, KB 25	1978-1980	HPR 30	3.2	Small Engine 20W-50	1.3	—	—	—	—	—	—	Hypoid 80W-90/85W-140	1.3	—
KB40, 4x4	1979-1980	HPR 30	3.2	Small Engine 20W-50	2.5	—	—	—	—	Hypoid 80W-90	0.8	Hypoid 80W-90/85W-140	1.3	—
TLD Series	1981-1984	Japan 25	7.5	Small Engine 20W-50	3.2	—	—	—	—	—	—	Hypoid 80W-90/85W-140	2.7/3.0	—
TLD56	1983-1984	Japan 25	8.0	Small Engine 20W-50	3.2	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	—
KT25, KT26	1980-1984	Japan 25	8.0	Small Engine 20W-50	3.2	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	—
KS11D, KS21, KS32	1976-1984	Japan 25	8.0	Small Engine 20W-50	2.8	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	—
KS32	1980-1984	Japan 25	7.5	Small Engine 20W-50	2.8	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	—
NKR57	1985-1987	Japan 25	7.5	Small Engine 20W-50	3.8	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	—
NKR58, NKR150, NKR200	1987-1996	Japan 25	7.5	Small Engine 20W-50	3.2/3.8	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NKR250	1987-1994	Japan 25	7.5	Small Engine 20W-50	2.6/3.2	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NKR150, NKR200 3.1L	1996-1999	Japan 15	8.1	Japan 15	2.7	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NKR200 4.3L	1996-1999	Japan 15	10.5	Japan 15	3.2	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR57, 4BC2, 4BD1	1985-1988	Japan 25	7.5	Small Engine 20W-50	3.2/3.8	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	—
NPR59 Diesel/Turbo Diesel	1985-1988	Japan 25	7.5	Small Engine 20W-50	3.1/3.8	—	—	—	—	—	—	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
ISUZU (Cont'd)														
NPR200 manual	1989-1996	Japan 25	7.5	Small Engine 20W-50	3.2/3.8	ATF DX-II	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR200 auto	1992-1994	Japan 25	10.5	--	--	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR200 4HF1	1996-1999	Japan 15	10.5	Japan 15	3.2	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR200/250/300 Diesel (inc Sitec)	2000-2004	Japan 15	8.3	Japan 15	3.2	--	--	--	--	--	--	Hypoid 85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR250	1993-1996	Japan 25	7.5	Small Engine 20W-50	2.6	ATF DX-II	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR250/300 Crew Cab	1992-1996	Japan 25	7.5	Small Engine 20W-50	2.6	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR250/300 Crew Cab	1996-1999	Japan 15	10.5	Japan 15	3.2	ATF DX-II	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR300	1987-1991	Japan 25	7.5	Small Engine 20W-50	2.5	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR300	1992-1996	Japan 25	10.5	Small Engine 20W-50	2.6	ATF DX-II	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR300	1996-1999	Japan 15	10.5	Japan 15	2.6	ATF DX-II	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR400	1987-1991	Japan 25	7.5	Small Engine 20W-50	3.1	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR400 Turbo Diesel	1987-1994	Japan 25	8.8	Small Engine 20W-50	2.6/3.2	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR400, 4HF1	1992-1996	Japan 25	10.5	Small Engine 20W-50	2.6/3.2	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR400, 4HF1	1996-1999	Japan 15	10.5	Japan 15	2.6/3.2	--	--	--	--	--	--	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPR400 SITEC 140	2003-2005	Japan 15	13.0	Manual Gear Oil 75	--	--	--	--	--	--	--	Hypoid 85W-140	3.4	Power Steering Fluid/ATF Top Up
NPS300 4x4 Turbo	1993-1994	Japan 25	6.8/7.5	Small Engine 20W-50	2.6	--	--	Manual Gear Oil 75	1.7	Hypoid 80W-90	2.7	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NPS300 4x4	1994-1999	Japan 15	10.5	Japan 15	3.2	--	--	Manual Gear Oil 75	2.0	Hypoid 80W-90	2.7	Hypoid 80W-90/85W-140	3.0	ATF Top Up/Power Steering Fluid
NQR SITEC 170	2003-2005	Japan 15	13.0	Manual Gear Oil 75	4.4	--	--	--	--	--	--	Hypoid 85W-140	4.3	Power Steering Fluid/ATF Top Up

NOTES (C4) - May also use SIN Manual Trans

IVECO

Daily 35S13	2002-2006	HPR Diesel 5	6.3	Transaxle 75	2.7	--	--	--	--	--	--	Hypoid 85W-140	1.8	Power Steering Fluid/ATF Top Up
Daily 40C13/SOC15	2002-2006	HPR Diesel 5	6.3	Transaxle 75	2.7	--	--	--	--	--	--	Hypoid 85W-140	1.9	Power Steering Fluid/ATF Top Up
Daily 65C15	2003-2006	HPR Diesel 5	6.3	Transaxle 75	2.7	--	--	--	--	--	--	Hypoid 85W-140	3.0	Power Steering Fluid/ATF Top Up
Turbo Daily	1995-2002	HPR Diesel 15	7.0	Fleet-Gear 50/Mild EP Gear Oil	1.5	--	--	--	--	--	--	Hypoid 85W-140	2.3	Power Steering Fluid/ATF Top Up

JAGUAR

E Type 4.2L	1965-1972	HPR 40	8.5	Hypoid 80W-90	1.4	ATF 33	--	--	--	--	--	Linslip 90	1.5	--
E Type Series III, 5.3L	1972-1974	HPR 40	10.7	Hypoid 80W-90	1.7	ATF 33	--	--	--	--	--	Linslip 90	1.5	--
Mark X 4.2, 420, 420G	1965-1971	HPR 40	6.8	Hypoid 80W-90	1.4	ATF 33	--	--	--	--	--	Linslip 90	1.5	--
Sovereign V12, Daimler Double Six, 5.3 L	1986-1993	HPR 30	10.7	--	--	ATF DX-II	9.1	--	--	--	--	Hypoid 80W-90 (K1)	1.5	Power Steering Fluid/ATF Top Up
Sovereign, Vanden Plas, 4.2L	1983-1987	HPR 40	8.2	--	--	ATF 33	8.2	--	--	--	--	Hypoid 80W-90 (K1)	1.5	Power Steering Fluid/ATF Top Up
S Type 2.7L Diesel	2004-2006	HPR Diesel 5	6.6	Manual Gear Oil 70	1.6	ATF DX-VI	8.3	--	--	--	--	SIN Gear Oil 80	1.3	Power Steering Fluid/ATF Top Up
S Type R2 V8	2002-2006	SIN 0	6.0	--	--	ATF DX-VI	10.0	--	--	--	--	SIN Gear Oil 80	1.3	ATF Synthetic
S-Type V6/V8, 5 speed auto	1999-2002	HPR 5	6.5/6.0	ATF BMW	1.1	ATF Synthetic	9.0	--	--	--	--	SIN Gear Oil 75	1.9	PAS Fluid
S-Type V6/V8, 6 speed auto	2002-2006	HPR 5	6.5/6.0	ATF BMW	1.1	ATF MHP	9.0	--	--	--	--	SIN Gear Oil 75	1.9	PAS Fluid
X Type 2.0D (diesel)	2003-2006	HPR Diesel 5	6.2	SIN Gear Oil 75	1.9	ATF MHP	8.8	--	--	--	--	--	--	PAS Fluid
X Type 2.1L V6	2002-2006	HPR 5	5.8	SIN Gear Oil 75	--	ATF MHP	8.8	SIN Gear Oil 80	1.2	Combined Transmission	--	SIN Gear Oil 80	0.6	Penrite SSF
X Type 2.2L diesel	2006-2007	HPR 0 (H4)	6.0	SIN Gear Oil 75	1.8	--	--	--	--	Combined Transmission	--	SIN Gear Oil 80	--	Power Steering Fluid/ATF Top Up
X Type 2.5L/3.0L V6	2001-2006	HPR 5	5.8	SIN Gear Oil 75	--	ATF MHP	8.8	SIN Gear Oil 80	1.2	Combined Transmission	--	SIN Gear Oil 80	0.6	Penrite SSF
X Type 2.7L diesel	2006-2007	HPR 0 (H4)	6.6	--	--	ATF DX-VI	8.3	--	--	--	--	--	--	PAS Fluid/ATF Top Up
XJ 220	1993-1995	SIN 10	12.0	SIN Gear Oil 75	4.3	--	--	--	--	--	--	Combined Transmission	--	--
XJR 4.2L Supercharged V8	2003-2006	SIN 0	6.0	--	--	ATF DX-VI	10.0	--	--	--	--	SIN Gear Oil 80	1.3	ATF Synthetic
XJ12, XJ 5.3L, XJS, XJSC 5.3 L	1973-1992	HPR 30	10.7	--	--	(E1)	--	--	--	--	--	Hypoid 80W-90 (K1)	1.5	Power Steering Fluid/ATF Top Up
XJ6 3.2L/4.0L, XJS/XJS Sport 4.0L, ZF auto	1989-1997	HPR 15	8.0	--	--	ATF DX-II	4.3	--	--	--	--	Hypoid 80W-90 (K1)	2.1	LHM Plus
XJ6, 2.8L/4.2L 4 speed man/auto	1969-1987	HPR 40	8.2	Manual Gear Oil 80	1.6	ATF 33	8.2/9.1	--	--	--	--	Hypoid 80W-90 (K1)	1.5	Power Steering Fluid/ATF Top Up
XJ6, 4.2L, 5 speed man	1981-1986	HPR 40	8.2	ATF 33	1.5	--	--	--	--	--	--	Hypoid 80W-90 (K1)	1.5	Power Steering Fluid/ATF Top Up
XJ6, Sovereign, 3.6L, ZF auto	1987-1989	HPR 40	8.0	--	--	ATF DX-II	3.0	--	--	--	--	Hypoid 80W-90 (K1)	2.1	Power Steering Fluid/ATF Top Up
XJ6 3.0L Sovereign, Sport	2004-2006	SIN 0	6.5	--	--	ATF DX-VI	9.5	--	--	--	--	SIN Gear Oil 80	1.3	ATF Synthetic

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

22

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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JAGUAR (Cont'd)

XJ8 3.5L V8	2003-2006	SIN 0	6.0	—	—	ATF DX-VI	9.5	—	—	—	—	SIN Gear Oil 80	1.3	ATF Synthetic
XJ8 4.2L V8/Supercharged V8	2003-2006	SIN 0	6.0	—	—	ATF DX-VI	9.5/10	—	—	—	—	SIN Gear Oil 80	1.3	ATF Synthetic
XJ8 3.2, Sovereign	1997-2003	HPR 10	7.5	—	—	(R2)	10.0	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XJ8 4.0, Sovereign	1997-2003	HPR 10	8.5	—	—	(R2)	10.0	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XJR 6 cylinder, 4.0L	1994-1997	HPR 10	8.0	—	—	(R2)	9.5	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XJR 8 cylinder, 4.0L	1997-1999	HPR 10	7.5	—	—	(R2)	9.5	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XJR 8 cylinder, 4.0L	2000-2005	HPR 10	8.5	—	—	(R2)	9.5	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XJS, XJR-S, 6.0 L V12	1993-1995	HPR 15	10.0	—	—	ATF DX-II	7.3	—	—	—	—	Hypoid 80W-90 (K1)	1.6	Power Steering Fluid/ATF Top Up
XK8	2006-2007	HPR 5	7.8	—	—	(Y1)	—	—	—	—	—	Refer to Dealer	—	Power Steering Fluid/PAS Fluid
XK8, Classic/Sport	1996-1999	HPR 10	7.3	—	—	(R2)	10.0	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XK8, Classic/Sport	2000-2005	HPR 5	8.3	—	—	(R2)	10.0	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XK8 4.2L	2002-2005	SIN 0	7.0	—	—	ATF BMW	10.0	—	—	—	—	SIN Gear Oil 80	1.9	ATF Synthetic
XKR	1998-1999	HPR 10	7.3	—	—	(R2)	9.5	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XKR	2000-2006	HPR 5	8.3	—	—	(R2)	9.5	—	—	—	—	SIN Gear Oil 75	1.9	Power Steering Fluid/ATF Top Up
XKR	2006-2007	HPR 5	7.8	—	—	(Y1)	—	—	—	—	—	Refer to Dealer	—	Power Steering Fluid/PAS Fluid

NOTES (E1) - Borg Warner Type 12 use ATF 33 (9.3L), GM 400 use ATF DX-II (9.0L), (E3) - May also use Transaxle 75, (H4) - Sole recommendation for engine (K1) - If limited slip differential fitted use SIN Gear Oil 75, (K2) - Model 20, 300 (80-83) use Hypoid 80W-90, Model 208, 300 (84-on), Quadtrac II, Selectrac, CommandTrac use Manual Gear Oil 75, Quadtrac I use SIN Gear Oil 80, (R2) - ZF 4HP and 5HP autos specifying LT71 1.41, MB236.11 or LA2634 use ATFBMV. All 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer, (Z3) - If towing use SIN Gear Oil 80.

JEEP

Cherokee 2.5L diesel	1997-2001	HPR Diesel 15	6.5	SIN Gear Oil 75	3.2	ATF Synthetic	—	ATF Synthetic	1.3	SIN Gear Oil 75	1.5	SIN Gear Oil 80 (S1)	1.6	PAS Fluid
Cherokee 4.0L	1994-2001	HPR 10/SIN 5	4.7/5.7	—	—	ATF Synthetic	4.0	ATF Synthetic	1.4	SIN Gear Oil 75	1.2	SIN Gear Oil 80 (S1)	1.2	PAS Fluid
Cherokee KJ diesel	2002-2005	HPR Diesel 5	6.5	SIN Gear Oil 75	2.0-2.3	ATF Synthetic	4.8	ATF Synthetic	1.5	SIN Gear Oil 75	1.2	SIN Gear Oil 80 (S1)	2.1	PAS Fluid
Cherokee KJ 3.7L	2002-2005	HPR 10/SIN 5	4.7	SIN Gear Oil 75	2.0-2.3	ATF Synthetic	4.8/3.8	ATF Synthetic	1.5	SIN Gear Oil 75	1.2	SIN Gear Oil 80 (S1)	2.1	PAS Fluid
Cherokee KJ II 2.4L petrol	2004-2007	HPR 10/SIN 5	4.7	SIN Gear Oil 75	2.0	ATF Synthetic	3.7/4.7	Manual Gear Oil 70/ATF Synthetic	1.5/1.8	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.1	PAS Fluid
Cherokee KJ II 2.8L diesel	2006-2007	HPR Diesel 5	6.0	Refer to Dealer	3.2	ATF Synthetic	3.8/4.7	Manual Gear Oil 70/ATF Synthetic	1.5	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Cherokee KJ II 3.0L diesel	2006-2007	HPR Diesel 5	9.5	—	—	ATF Synthetic	5.0	Manual Gear Oil 70/ATF Synthetic	1.5	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Cherokee KJ II 3.7L petrol	2004-2007	HPR 10/SIN 5	4.7	—	—	ATF Synthetic	4.7	Manual Gear Oil 70/ATF Synthetic	1.5	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Cherokee, Wagoneer, CJ5, CJ6, CJ7, CJ8, J10, J20 diesel	1974-1985	HPR Diesel	6.5-7.5	Transaxle 75	—	ATF DX-II	—	(K2)	—	Limitslip 90 (E3)	—	Limitslip 90 (Z3)	—	Power Steering Fluid/PAS Fluid
Cherokee, Wagoneer, CJ5, CJ6, CJ7, CJ8, J10, J20 petrol	1974-1985	HPR 40	2.3-4.7	Transaxle 75	—	ATF DX-II	—	(K2)	—	Limitslip 90 (E3)	—	Limitslip 90 (Z3)	—	Power Steering Fluid/PAS Fluid
Commander, 3.0L CRD diesel	2006-2007	HPR Diesel 5	—	—	—	ATF Synthetic	—	Manual Gear Oil 70/ATF Synthetic	—	SIN Gear Oil 80	—	SIN Gear Oil 80 (S1)	—	PAS Fluid
Commander, 4.7L/5.7L petrol	2006-2007	HPR 5	—	—	—	ATF Synthetic	—	Manual Gear Oil 70/ATF Synthetic	—	SIN Gear Oil 80	—	SIN Gear Oil 80 (S1)	—	PAS Fluid
Compass	2007-	HPR 5	—	—	—	—	—	—	—	—	—	—	—	PAS Fluid
Grand Cherokee - petrol	1996-2000	HPR 10	5.7	—	—	ATF Synthetic	3.8	ATF Synthetic	1.2	SIN Gear Oil 75	1.2	SIN Gear Oil 80 (S1)	1.5	PAS Fluid
Grand Cherokee 2.7L TDi	2002-2005	HPR Diesel 5	—	—	—	ATF Synthetic	4.8	Manual Gear Oil 70/ATF Synthetic	1.2	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	1.5	PAS Fluid
Grand Cherokee 3.0L diesel	2004-2007	HPR Diesel 5	9.5	—	—	ATF Synthetic	5.0	Manual Gear Oil 70/ATF Synthetic	1.5	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Grand Cherokee 4.0L V8	2000-2005	HPR 10	5.7	—	—	ATF Synthetic	9.5	Manual Gear Oil 70/ATF Synthetic	1.6	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.3	PAS Fluid
Grand Cherokee 4.7L V8	2000-2006	HPR 10	5.7	—	—	ATF Synthetic	13.3	Manual Gear Oil 70/ATF Synthetic	1.6	SIN Gear Oil 80	1.2	SIN Gear Oil 80 (S1)	2.3	PAS Fluid
Grand Cherokee 5.7L V8	2006-2007	HPR 10	6.6	—	—	ATF Synthetic	5.0	Manual Gear Oil 70/ATF Synthetic	1.5	SIN Gear Oil 80	—	SIN Gear Oil 80 (S1)	2.2	PAS Fluid
Patriot	2006-2007	HPR 5	—	—	—	—	—	—	—	—	—	—	—	PAS Fluid
Wrangler	1996-2006	HPR 10/SIN 5	5.7	SIN Gear Oil 75 (P4)	3.2	ATF Synthetic	8.1	ATF Synthetic	1.0	Limitslip 90	1.2	Limitslip 90 (S1, Z3)	1.9	PAS Fluid

NOTES (E3) - May also use Transaxle 75, (P4) - 6 speed manual use SIN Manual Trans. (K2) - Model 20, 300 (80-83) use Hypoid 80W-90, Model 208, 300 (84-on), Quadtrac II, Selectrac, CommandTrac use Manual Gear Oil 75, Quadtrac I use SIN Gear Oil 80,

(S1) - Add one bottle of Limitslip Additive 7098 with each refill if NOT using Penrite SIN Gear Oil 80, (Z3) - If towing use SIN Gear Oil 80

JENSEN

Interceptor II, III	1970-1975	HPR 40	4.7/5.8	—	—	ATF DX-II	8.8-9.5	—	—	—	—	Limitslip 90	1.8	—
Interceptor, Convertible S4	1984-1993	HPR 15	5.0	—	—	ATF DX-II	9.1	—	—	—	—	—	—	Power Steering Fluid/ATF Top Up
Jensen-Healey, 4 speed	1972-1974	HPR 40	7.0	HPR 30	2.0	—	—	—	—	—	—	Hypoid 80W-90	1.4	—
Jensen-Healey, 5 speed	1975-1976	HPR 40	5.7	Manual Gear Oil 80	1.4	—	—	—	—	—	—	Hypoid 80W-90	1.4	—

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
KIA														
Carens	2000-2005	HPR 10	4.0	Transaxle 75	2.7	ATF MHP	5.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Carens 2.0L	2006-2007	HPR 5	4.0	Transaxle 75	2.1	ATF MHP	—	—	—	—	—	—	—	Power Steering Fluid/ATF Top Up
Carnival 2.5L V6	1999-2006	HPR 10	5.8	Transaxle 75	2.3	ATF DX-II	7.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Carnival 2.9L diesel	2000-2002	HPR Diesel 15	7.4	—	—	ATF DX-III/MHP	7.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Grand Carnival	2006-2007	HPR 10	—	—	—	ATF MHP	—	—	—	—	—	—	—	—
Cerato	2004-2006	HPR 10	3.4	Transaxle 75	—	ATF MHP	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Ceres	1992-1997	HPR Diesel	6.5	Transaxle 75	1.6	—	—	Hypoid 80W-90	1.6	Linslip 90	1.5	Linslip 90	1.5	—
Credos	1998-1999	HPR 10	3.8	Transaxle 75	2.7	ATF DX-II	6.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
K2700	2003-2006	HPR Diesel 15	5.6	Transaxle 75	2.2	—	—	—	—	—	—	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Magentis 2.0L	2003-2007	HPR 10	4.3	Transaxle 75	2.1	ATF MHP	7.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF MHP
Magentis, 2.7L V6	2006-2007	HPR 5	4.5	—	—	ATF MHP	9.5	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
Mentor 1.5L	1996-2000	HPR 10	3.4	Transaxle 75	2.7	ATF DX-II	5.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Mentor/Shima/Spectra 1.8L	1998-2003	HPR 10	3.4	Transaxle 75	2.7	ATF MHP	5.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Optima	2000-2006	HPR 10	4.5	Transaxle 75	2.1	ATF MHP	7.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Pregio	2002-2006	HPR 10	5.6	Manual Gear Oil 75	2.2	—	—	—	—	—	—	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Pregio, diesel	2001-2006	HPR Diesel 15	5.6	Transaxle 75	2.2	—	—	—	—	—	—	Transaxle 75	1.3	Power Steering Fluid/ATF Top Up
Rio	2000-2006	HPR 10	3.4	Transaxle 75	2.8	ATF MHP	5.9	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Sorento	2002-2006	HPR 10	4.3	Manual Gear Oil 75	—	ATF MHP	—	Manual Gear Oil 75	—	Linslip 90	—	Linslip 90	1.3	Power Steering Fluid/ATF Top Up
Sorento CRDi	2007-	HPR 0 (H4)	—	SIN Manual Trans	—	ATF MHP	—	—	—	—	—	Refer to Penrite	—	Power Steering Fluid
Sportage	1996-2005	HPR 10	4.2	Manual Gear Oil 75	1.3	ATF DX-II	2.5	Manual Gear Oil 75	1.3	Linslip 90	1.2	Linslip 90	1.2	Power Steering Fluid/ATF Top Up
Sportage, 2.0L petrol	2006-2007	HPR 5	5.9	Transaxle 75	2.1	ATF MHP	7.8	Transaxle 75	0.8	Combined Transmission	—	Transaxle 75	0.8	ATF MHP/Power Steering Fluid/ATF Top Up
Sportage, 2.7 TD diesel	2006-2007	HPR Diesel 5 (R4)	4.5	Transaxle 75	2.1	ATF MHP	7.8	Transaxle 75	0.8	Combined Transmission	—	Transaxle 75	0.8	ATF MHP/Power Steering Fluid/ATF Top Up
Sportage, 2.7L petrol	2006-2007	HPR 5	4.2	—	—	ATF MHP	7.8	Transaxle 75	0.8	Combined Transmission	—	Transaxle 75	0.8	ATF MHP/Power Steering Fluid/ATF Top Up

NOTES (R4) – If fitted with DPF, use only HPR 0 (H4) – Sole recommendation for engine

LADA

Niva	1983-1999	HPR 30	3.8	Transaxle 75	1.5	—	—	Transaxle 75	0.8	Transaxle 75	0.9	Transaxle 75	1.3	—
Samara	1989-1991	HPR 30	3.5	HPR 30	3.3	—	—	—	—	—	—	Combined with transmission	—	—
Samara, Cevaro, Sable, Volante	1989-1996	HPR 30	3.5	HPR 30	3.2	—	—	—	—	—	—	Combined Transmission	—	—

LAMBORGHINI

Diablo GT	1994-2003	HPR 5/SIN 0	17.0	Transaxle 75	3.5	—	—	—	—	—	—	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Diablo 4x4	1994-2003	HPR 5/SIN 0	15.0	Transaxle 75	3.5	—	—	—	—	SIN Gear Oil 75	1.0	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Gallardo	2004-2006	HPR 5/SIN 0	10.0	SIN Gear Oil 75 (M4)	4.0	—	—	—	—	SIN Gear Oil 75	1.3	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Espada 400GT	1976-1979	HPR 30/SIN 25	14.3	Hypoid 80W-90	4.0	—	—	—	—	—	—	Hypoid 80W-90	1.2	—
Espada, Jarama	1967-1973	HPR 30/SIN 25	12.0	HPR 30	3.5	—	—	—	—	—	—	Hypoid 80W-90	1.3	—
Espada, Jarama	1974-1975	HPR 30/SIN 25	14.3	Hypoid 80W-90	4.0	—	—	—	—	—	—	Hypoid 80W-90	1.6	—
Murcielago	2002-2006	HPR 5/SIN 0	12.0	SIN Gear Oil 75	3.5	—	—	—	—	—	—	SIN Gear Oil 75	2.5	Power Steering Fluid/ATF Top Up
Urraco P250, S, P300	1973-1979	HPR 30/SIN 25	7.5	Hypoid 80W-90	3.5	—	—	—	—	—	—	Combined Transmission	—	—

NOTES (M4) – E-gear system use LHM Plus

LANCIA

2000	1974-1975	HPR 30	6.7	Hypoid 80W-90	2.6	—	—	—	—	—	—	Combined Transmission	—	—
Beta Saloon, Coupe, HPE	1974-1985	HPR 30	4.5	HPR 30	1.7	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Fulvia 1.2, 1.3	1963-1973	HPR 30	4.3/5.3	Hypoid 80W-90	2.5	—	—	—	—	—	—	Combined Transmission	—	—
Fulvia Coupe 1.6 HF	1969-1973	HPR 30	5.8	Hypoid 80W-90	2.5	—	—	—	—	—	—	Combined Transmission	—	—
Fulvia Coupe 1.6HF2d	1968-1973	HPR 30	4.7	Hypoid 80W-90	2.7	—	—	—	—	—	—	Combined Transmission	—	—

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
LAND ROVER														
Defender 2.5L diesel	1992-1999	HPR Diesel 15	6.8	Manual Gear Oil 75	2.2	—	—	Hypoid 80W-90	2.3	Hypoid 80W-90	1.7	Hypoid 80W-90	2.3	Power Steering Fluid/ATF Top Up
Defender Series II, Td5	1999-2004	HPR Diesel 5 (H4)	8.2	Manual Gear Oil 75	2.4	—	—	Transaxle 75	2.3	Transaxle 75	1.7	Transaxle 75	2.3	PAS Fluid (X3)
Discovery 3.5L/3.9L petrol	1991-1995	HPR 30	5.5/6.6	Manual Gear Oil 75	2.7	ATF DX-III	9.1	Hypoid 80W-90	2.3	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
Discovery Series I, 3.9L petrol	1995-1999	HPR 15	6.7	Manual Gear Oil 75	2.7	ATF DX-III	9.8	Hypoid 80W-90	2.3	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
Discovery Series I Tdi 300	1995-1999	HPR Diesel 15	6.7	Manual Gear Oil 75	2.7	ATF DX-III	9.8	Hypoid 80W-90	2.3	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
Discovery Series II, 4.0L petrol	1999-2004	HPR 10	5.8	Manual Gear Oil 75	2.3/2.8	ATF BMV	9.1	Transaxle 75	2.0	Transaxle 75	1.8	Transaxle 75	1.6	PAS Fluid (X3)
Discovery Series II, Td5 diesel	1999-2004	HPR Diesel 5	7.2	Manual Gear Oil 75	2.3/2.8	ATF BMV	9.1	Transaxle 75	2.0	Transaxle 75	1.6	Transaxle 75	1.6	PAS Fluid (X3)
Discovery Series 3, 4.0L petrol	2006-2007	SIN 0/HPR 0	6.2/7.3	Manual Gear Oil 70	2.3/2.8	ATF DX-VI	9.7	Refer to Dealer	2.0	Sin Gear Oil 75	1.6	Sin Gear Oil 75	1.6	PAS Fluid (X3)
Discovery Series 3, 4.4L petrol	2006-2007	SIN 0/HPR 0	7.5	Manual Gear Oil 70	—	ATF DX-VI	9.7	Refer to Dealer	—	Sin Gear Oil 75	—	Sin Gear Oil 75	—	PAS Fluid (X3)
Discovery Series 3, TDV6	2006-2007	HPR 0 (H4)	5.7	Manual Gear Oil 70	—	ATF DX-VI	9.7	Refer to Dealer	—	Sin Gear Oil 75	—	Sin Gear Oil 75	—	PAS Fluid (X3)
Discovery TDi	1992-1995	HPR Diesel	6.8	Manual Gear Oil 75	2.7	ATF DX-III	9.1	Hypoid 80W-90	2.3	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
Freelander, diesel	1998-2006	HPR Diesel 15	4.5	Manual Gear Oil 75	2.0	—	—	SIN Gear Oil 75	—	Combined with transmission	—	SIN Gear Oil 75	0.8	Power Steering Fluid/ATF Top Up
Freelander, petrol	1998-2005	HPR 5	4.5	Manual Gear Oil 75	2.0	ATF MHP	—	SIN Gear Oil 75	—	Combined with transmission	—	SIN Gear Oil 75	0.8	Power Steering Fluid/ATF Top Up
Freelander 2 - diesel	2007	HPR 0 (H4)	—	Manual Gear Oil 70	—	ATF DX-VI	—	Refer to Dealer	—	Refer to Dealer	—	Refer to Dealer	—	PAS Fluid
Freelander 2 - petrol	2007	HPR 5	—	Manual Gear Oil 70	—	ATF DX-VI	—	Refer to Dealer	—	Refer to Dealer	—	Refer to Dealer	—	PAS Fluid
One Ten 3.5L	1983-1985	HPR 30	5.1	Small Engine 20W-50	2.6	—	—	Small Engine 20W-50	3.1	Hypoid 80W-90	1.7	Hypoid 80W-90	2.3	Power Steering Fluid/ATF Top Up
One Ten, 3.9L diesel	1983-1985	HPR Diesel	8.0	Small Engine 20W-50	2.6	—	—	Small Engine 20W-50	3.1	Hypoid 80W-90	1.7	Hypoid 80W-90	2.3	Power Steering Fluid/ATF Top Up
One Ten, County, 3.5L, 5 Speed	1985-1991	HPR 30	5.1	Small Engine 20W-50	2.2	—	—	Hypoid 80W-90	2.8	Hypoid 80W-90	1.7	Hypoid 80W-90	2.3	Power Steering Fluid/ATF Top Up
One Ten, County, diesel, 5 Speed	1985-1991	HPR Diesel	8.0	Small Engine 20W-50	2.2	—	—	Hypoid 80W-90	2.8	Hypoid 80W-90	1.7	Hypoid 80W-90	2.3	Power Steering Fluid/ATF Top Up
One Ten, County, turbo diesel, 4 Speed	1985-1991	HPR Diesel	8.0	Small Engine 20W-50	2.6	—	—	Small Engine 20W-50	3.1	Hypoid 80W-90	1.7	Hypoid 80W-90	2.3/2.6	Power Steering Fluid/ATF Top Up
Series III diesel	1974-1983	HPR Diesel	6.2	Manual Gear Oil 80/SIN Manual Trans	1.5	—	—	Manual Gear Oil 80/SIN Manual Trans	2.5	Manual Gear Oil 80/SIN Manual Trans	1.7	Manual Gear Oil 80/SIN Manual Trans	1.7/2.5	—
Series III petrol	1974-1983	HPR 40	6.2	Manual Gear Oil 80/SIN Manual Trans	1.5	—	—	Manual Gear Oil 80/SIN Manual Trans	2.5	Manual Gear Oil 80/SIN Manual Trans	1.7	Manual Gear Oil 80/SIN Manual Trans	1.7/2.5	—
Series III, 3.5L petrol	1980-1984	HPR 40	5.4	Small Engine 20W-50	2.6	—	—	Small Engine 20W-50	3.1	Manual Gear Oil 80/SIN Manual Trans	1.7	Manual Gear Oil 80/SIN Manual Trans	2.5	—
Series III, 3.9L diesel	1981-1984	HPR Diesel	9.0	Small Engine 20W-50	2.6	—	—	Small Engine 20W-50	3.1	Manual Gear Oil 80/SIN Manual Trans	1.7	Manual Gear Oil 80/SIN Manual Trans	2.6	—

NOTES (H4) - Sole recommendation for engine (X3) - ACE system use Penrite PAS Fluid.

LEXUS

ES300	1992-1996	HPR 10	4.3	—	—	ATF MHP/SIN Auto	3.1	—	—	ATF MHP	0.8	—	—	ATF MHP/PAS Fluid
ES300	1997-2006	HPR 10	4.7	—	—	ATF MHP/SIN Auto	3.9-4.7	—	—	ATF MHP	—	—	—	ATF MHP/PAS Fluid
ES330	2006-2007	HPR 5	4.7	—	—	ATF MHP	3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/PAS Fluid
GS300	1997-2005	HPR 10/SIN 5	5.5	—	—	ATF MHP/SIN Auto	1.8-2.4	—	—	—	—	Limitslip 90	1.4	ATF MHP/PAS Fluid
GS300	2006-2007	HPR 5/SIN 0	6.2	—	—	ATF MHP	1.5/2.6	—	—	—	—	Transaxle 75	1.1	ATF MHP/PAS Fluid
GS430	2006-2007	HPR 5/SIN 0	5.1	—	—	ATF MHP	1.4	—	—	—	—	Transaxle 75	—	ATF MHP/PAS Fluid
GS450h	2006-2007	HPR 5/SIN 0	6.3	Refer to Penrite	—	—	—	—	—	—	—	SIN Gear Oil 75	—	PAS Fluid
IS200	1999-2005	HPR 10/SIN 5	4.1	SIN Gear Oil 75	1.9	ATF MHP/SIN Auto	3.1	—	—	—	—	Limitslip 90	0.8	ATF MHP/PAS Fluid
IS250	2006-2007	HPR 5/HPR 0/SIN 0	6.3	Transaxle 75	1.8	ATF MHP	1.5	—	—	—	—	Transaxle 75	1.2	ATF MHP/PAS Fluid
IS300	2001-2005	HPR 10/SIN 5	5.4	—	—	ATF MHP/SIN Auto	2.0	—	—	—	—	Transaxle 75	1.2	ATF MHP/PAS Fluid
IS350	2006-2007	HPR 5/SIN 0	6.2	—	—	ATF MHP	1.7	—	—	—	—	SIN Gear Oil 75	—	Power Steering Fluid/PAS Fluid
LS400	1990-1997	HPR 10	5.0	—	—	ATF MHP	2.0	—	—	—	—	Limitslip 90	1.2	ATF MHP/PAS Fluid
LS400	1998-2001	HPR 10	5.6	—	—	ATF MHP	1.9-2.4	—	—	—	—	Limitslip 90	1.4	ATF MHP/PAS Fluid
LS430	2002-2006	HPR 10	4.5	—	—	ATF MHP	1.8	—	—	—	—	Limitslip 90	—	ATF MHP/PAS Fluid
LS430	2006-2007	HPR 5	5.1	—	—	ATF MHP	1.7	—	—	—	—	SIN Gear Oil 75	—	Power Steering Fluid/PAS Fluid
LS460	2006-2007	HPR 5	—	—	—	ATF MHP	—	—	—	—	—	SIN Gear Oil 75	—	Power Steering Fluid/PAS Fluid
LX470	1999-2006	HPR 10	7.2	SIN Gear Oil 75	2.7	ATF MHP	6.0	SIN Gear Oil 75	1.3	SIN Gear Oil 75	2.8	SIN Gear Oil 75	3.3	ATF MHP/PAS Fluid
LS600h	2007	HPR 0	—	—	—	ATF MHP	—	—	—	—	—	SIN Gear Oil 75	—	Power Steering Fluid/PAS Fluid
RX300	1999-2002	HPR 5	4.7	—	—	ATF DX-III/ATF MHP	3.9	Transaxle 75	0.9	—	—	Transaxle 75	0.9	Power Steering Fluid/PAS Fluid
RX330	2003-2006	HPR 5	4.7	Transaxle 75	—	ATF MHP	3.5	Transaxle 75	0.9	Combined Transmission	0.9	Transaxle 75	—	ATF MHP/PAS Fluid
RX350	2006-2007	HPR 5	—	—	—	—	—	—	—	—	—	—	—	—

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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LEXUS (Cont'd)

RX 400h 3.3L hybrid	2006-2007	HPR 0	4.7	--	--	Refer Dealer	--	--	--	--	--	Refer to Dealer	--	Refer to Dealer
SC430	2006-2007	HPR 5/SIN 0	5.2	--	--	ATF MHP	1.7	--	--	--	--	SIN Gear Oil 75	--	Power Steering Fluid/PAS Fluid
SC430	2001-2006	HPR 10/SIN 5	5.3	--	--	ATF MHP	1.8	--	--	--	--	Linslip 90	1.4	ATF MHP/PAS Fluid

LEYLAND

Marina 1500, 1750	1972-1974	HPR 30	3.4	Hypoid 80W-90	1.1	ATF 33	5.4	--	--	--	--	Hypoid 80W-90	1.0	--
Marina 6 cylinder	1973-1974	HPR 30	4.6	Manual Gear Oil 80	1.7	ATF 33	3.3	--	--	--	--	Hypoid 80W-90	1.0	--
P-76 6 cylinder	1973-1974	HPR 30	4.6	Manual Gear Oil 80	1.7	ATF 33	3.3	--	--	--	--	Hypoid 80W-90 (J1)	1.4	--
P-76 V8	1973-1974	HPR 40	4.1	Manual Gear Oil 80	1.7	ATF 33	3.3	--	--	--	--	Hypoid 80W-90 (J1)	1.4	--
Mini	1973-1979	HPR 30	4.3	Combined with crankcase	--	--	--	--	--	--	--	Combined with crankcase	--	--
Make	--	HPR 30	4.2	Combined with crankcase	--	--	--	--	--	--	--	Combined with crankcase	--	--

NOTES (J1) - If limited slip differential fitted, use Linslip 90

LINCOLN

Navigator	2006-2007	HPR 5/SIN 0	6.6	--	--	Refer Dealer	15.0	ATF DX-III	1.9	SIN Gear Oil 80	--	SIN Gear Oil 80	2.1	Power Steering Fluid
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LOTUS

Elise	1997-2006	HPR 10	4.5	Manual Gear Oil 75	2.1	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Esprit	1996-2004	HPR 10	6.4	Transaxle 75	3.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Exige	2001-2004	HPR 10	4.5	Manual Gear Oil 75	2.1	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Exige 1.8	2004-2006	HPR 5	4.4	Transaxle 75	2.3	--	--	--	--	--	--	--	--	--

MAHINDRA

Cl	1990-1993	HPR Diesel	4.8	HPR Diesel	1.6	--	--	HPR Diesel	1.6	Hypoid 80W-90	1.2	Hypoid 80W-90	1.2	--
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MASERATI

3200GT	1999-2003	SIN 5	7.0	Sin Manual Trans	1.7	ATF 95LE	4.0	--	--	--	--	Refer to Dealer	--	PAS Fluid
Bora 177	1974-1977	HPR 40/SIN 25	10.0	Hypoid 80W-90	3.3	--	--	--	--	--	--	Combined Transmission	--	--
Coupe (4200 GT, Cambiocorsa), Spyder	2003-2006	SIN 5	7.8	SIN Gear Oil 75	2.8	Refer to Dealer	--	--	--	--	--	Combined Transmission	--	PAS Fluid
GranSport	2004-2007	SIN 5	7.8	SIN Gear Oil 75	2.8	--	--	--	--	--	--	--	--	PAS Fluid
Merak, SS 122	1974-1979	HPR 40/SIN 25	9.0	Manual Gear Oil 80	2.3	--	--	--	--	--	--	Combined Transmission	--	--
Quattroporte	1998-2002	SIN 5	6.5	SIN Manual Trans	1.7	ATF 95LE	4.0	--	--	--	--	Hypoid 80W-90	1.7	PAS Fluid

MAYBACH

57,62	2002-2007	HPR 5/SIN 0	10.0	--	--	Refer to Dealer	--	--	--	--	--	Refer to Dealer	--	Penrite SSF
575	2002-2007	HPR 5/SIN 0	10.5	--	--	Refer to Dealer	--	--	--	--	--	Refer to Dealer	--	Penrite SSF

MAZDA

2 (1.5L)	2003-2006	HPR 5/SIN 0	3.9	SIN Gear Oil 75	3.0	ATF Synthetic	7.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
3 (2.0L, 2.3L)	2004-2006	HPR 5/SIN 0	4.3	Transaxle 75	2.9	ATF Synthetic	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
6 (2.3L)	2002-2006	HPR 5/SIN 0	3.5	SIN Gear Oil 75	2.9	ATF Synthetic	7.2	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
6 MPS 4WD	2006-2007	HPR 5/SIN 0	5.7	Transaxle 75	2.5	--	--	Transaxle 75	1.2	Combined Transmission	--	Transaxle 75	1.0	Power Steering Fluid/ATF Top Up
6 2.0 TD DPF Diesel	2006-2007	HPR 0 (H4)	5.0	Transaxle 75	--	ATF MHP	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
121 1.3L	1987-1991	HPR 15	3.0	Manual Gear Oil 75	2.5	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
121 1.3L Fuel Injected	1990-1999	HPR 10	3.3	Transaxle 75	2.5	ATF DX-III	6.3	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
121 1.5L	1994-1996	HPR 10	3.3	Transaxle 75	2.5	ATF DX-III	6.3	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
121 Coupe	1976-1979	HPR 30	3.6/3.9	Transaxle 75	1.7	ATF 33	6.2	--	--	--	--	Hypoid 80W-90 (E3)	1.2	Power Steering Fluid/ATF Top Up

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

26

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
MAZDA (Cont'd)														
121 Metro	1996-2002	HPR 10	3.2	Transaxle 75	2.7	ATF DX-III	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
1200, 1300	1969-1976	HPR 30	3.0	Hypoid 80W-90	1.3	ATF 33 (E2)	5.5	--	--	--	--	Hypoid 80W-90	0.9	--
1500, 1500SS	1966-1971	HPR 30	3.5	Hypoid 80W-90	1.3	ATF DX-II	6.4	--	--	--	--	Hypoid 80W-90	1.2	--
1800, 1800 Mk II	1969-1974	HPR 30	3.8	Hypoid 80W-90	1.3	--	--	--	--	--	--	Hypoid 80W-90	1.2	--
323	1989-1996	HPR 15	3.0	Manual Gear Oil 75	2.7	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 Astina	1989-1994	HPR 15	3.6	Manual Gear Oil 75	2.7	ATF DX-III	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 Astina	1994-1998	HPR 10/SIN 5	3.8	Manual Gear Oil 75	2.7	ATF DX-III/SIN Auto	4.9	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 Astina, 2.0L V6	1994-1998	HPR 10/SIN 5	4.0	Manual Gear Oil 75	2.7	ATF DX-III/SIN Auto	8.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 FWD including turbocharged engine	1980-1987	HPR 30	3.0	Transaxle 75	3.2	ATF 33	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 FWD including turbocharged engine	1987-1989	HPR 30	3.0	Transaxle 75	3.2	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 Protégé 1.6L, 1.8L	1994-1998	HPR 10	3.5/3.9	Manual Gear Oil 75	2.7	ATF DX-III/SIN Auto	4.9	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 Protégé, Astina 1.6L, 1.8L	1998-2004	HPR 10/SIN 5	2.9/3.5	Manual Gear Oil 75	2.7	ATF DX-III/SIN Auto	4.9	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
323 RWD	1977-1981	HPR 30	3.0	Hypoid 80W-90 (E3)	1.3	ATF 33	5.7	--	--	--	--	Hypoid 80W-90 (E3)	0.8	Power Steering Fluid/ATF Top Up
323 SS16V Turbo 4WD	1987-1989	HPR 15	3.2	Transaxle 75	3.5	--	--	Transaxle 75	0.5	--	--	Hypoid 80W-90 (E3)	0.6	Power Steering Fluid/ATF Top Up
626 2.0L	1992-1998	HPR 10	3.4	Transaxle 75	2.7	ATF DX-III	8.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 2.0L	1998-2002	HPR 10	3.4	Transaxle 75	2.7	ATF Synthetic	8.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 2.0L Diesel	1984-1985	HPR Diesel	4.1	Transaxle 75	3.4	ATF 33	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 2.0L Diesel	1986-1987	HPR Diesel	5.0	Transaxle 75	3.4	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 2.2L	1987-1991	HPR 15	3.9	Manual Gear Oil 75	3.3	ATF DX-III	6.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 2.5L V6	1992-1997	HPR 10	3.7/4.0	Transaxle 75	2.7	ATF DX-III	8.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 and MX-6 2.2L Turbos	1987-1991	HPR 15	3.9	Manual Gear Oil 75	3.6	ATF DX-III/SIN Auto	6.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 Estate	1988-1998	HPR 10	3.9	Transaxle 75	3.3	ATF DX-III	6.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 FWD	1983-1985	HPR 30	3.6	Transaxle 75	3.4	ATF 33	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 including turbo	1986-1987	HPR 30	3.6	Manual Gear Oil 75	3.4	ATF DX-III	5.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
626 RWD	1979-1983	HPR 30	3.9	Transaxle 75	1.6	ATF 33	6.2	--	--	--	--	Hypoid 80W-90 (E3)	1.2	Power Steering Fluid/ATF Top Up
808 Savanna, 1.3L	1972-1977	HPR 30	3.0	Hypoid 80W-90	1.3	ATF 33	5.5	--	--	--	--	Hypoid 80W-90	1.0	--
808, 1.6L	1977-1978	HPR 30	3.6	Hypoid 80W-90	1.4	ATF 33	6.2	--	--	--	--	Hypoid 80W-90	1.2	--
929	1973-1978	HPR 30	3.6	Transaxle 75	1.4	ATF 33	6.2	--	--	--	--	Hypoid 80W-90 (E3)	1.4	--
929	1978-1984	HPR 30	3.9	Transaxle 75	1.6	ATF 33	6.2	--	--	--	--	Hypoid 80W-90 (E3)	1.2	Power Steering Fluid/ATF Top Up
929 3.0L V6	1991-1998	HPR 10	4.5/5.0	--	--	ATF DX-III	8.6	--	--	--	--	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
929 3.0L V6i	1987-1991	HPR 15	4.5/4.8	SIN Gear Oil 75	2.5	ATF DX-III	7.3	--	--	--	--	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
929 including Turbo	1984-1987	HPR 15	3.6	Transaxle 75	1.8	ATF DX-III	6.2/7.5	--	--	--	--	Hypoid 80W-90 (E3)	1.2	Power Steering Fluid/ATF Top Up
B1600	1974-1977	HPR 30	3.6	Hypoid 80W-90	1.5	--	--	--	--	--	--	Hypoid 80W-90	1.3	--
B1800	1977-1982	HPR 30	3.6	Hypoid 80W-90	1.5	--	--	--	--	--	--	Hypoid 80W-90	1.3	--
B2000	1983-1988	HPR 30	3.9	Hypoid 80W-90	1.7/2.0	--	--	--	--	--	--	Hypoid 80W-90	1.3	--
B2200	1988-1993	HPR 30	3.9	Hypoid 80W-90	2.0	ATF DX-III	7.5	--	--	--	--	Hypoid 80W-90	1.2	--
B2200, B2209 diesel	1981-1996	HPR Diesel	5.0	Hypoid 80W-90	1.7/2.0	--	--	--	--	--	--	Hypoid 80W-90	1.2	Power Steering Fluid/ATF Top Up
B2500 Bravo Diesel	1996-1998	HPR Diesel 15	6.3	Hypoid 80W-90	2.8	--	--	--	--	--	--	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
B2600i, Bravo	1991-1996	HPR 30	4.7	Hypoid 80W-90	3.2	ATF DX-III	7.5	--	--	--	--	Hypoid 80W-90	1.2	Power Steering Fluid/ATF Top Up
B2600i, Bravo	1996-1998	HPR 15	4.7	Hypoid 80W-90	2.8	ATF DX-III	7.5	--	--	--	--	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
B2600, Bravo 4x4 2.6L petrol	1987-1996	HPR 30	4.6	Manual Gear Oil 80	3.2	--	--	Manual Gear Oil 80	2.0	Limslip 90	1.2	Limslip 90	1.7	Power Steering Fluid/ATF Top Up
B2600, Bravo 4x4 2.6L petrol	1996-1998	HPR 15	4.7	SIN Gear Oil 75	3.2	--	--	SIN Gear Oil 75	2.0	SIN Gear Oil 75	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
B2600, Bravo 4x4 diesel	1996-1998	HPR Diesel 15	6.3	SIN Gear Oil 75	3.2	--	--	SIN Gear Oil 75	2.0	SIN Gear Oil 75	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Bravo	1999-2006	HPR 10	4.7	Transaxle 75	2.8	ATF DX-III	7.5	--	--	--	--	Hypoid 80W-90 (E3)	1.4	Power Steering Fluid/ATF Top Up
Bravo 4x4 2.6L	1999-2006	HPR 10	4.7	Transaxle 75	3.2	--	--	Transaxle 75	2.0	SIN Gear Oil 75	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Bravo 4x4 turbo diesel	1999-2006	HPR Diesel 5	6.3	Transaxle 75	3.2	--	--	Transaxle 75	2.0	SIN Gear Oil 75	1.2	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
Bravo diesel	1999-2006	HPR Diesel 5	6.3	Transaxle 75	2.8	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.4	Power Steering Fluid/ATF Top Up
BT50 Diesel	2007-	HPR Diesel 5	--	Transaxle 75	--	ATF MHP	--	--	--	--	--	SIN Gear Oil 80	--	Power Steering Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
MAZDA (Cont'd)														
Capella 1600 (616)	1970-1978	HPR 30	3.6	Hypoid 80W-90	1.4	ATF 33 (E2)	5.5	—	—	—	—	Hypoid 80W-90	1.2	—
Capella RX-2	1970-1973	HPR 30	4.4	Hypoid 80W-90	2.5/1.7	ATF 33	5.5/6.2	—	—	—	—	Hypoid 80W-90	1.2	—
CX7	2006-2007	HPR 5	5.7	—	—	ATF MHP	7.0	Hypoid 80W-90 (E3)	1.2	—	—	Hypoid 80W-90 (E3)	1.0	—
Demio	1996-2003	HPR 10	3.2	Transaxle 75	2.7	ATF DX-III/MHP	5.9	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
E1400	1984-1986	HPR 30	3.0	Transaxle 75	1.7	—	—	—	—	—	—	Transaxle 75	1.2	—
E1400	1980-1983	HPR 30	3.0	Hypoid 80W-90	1.3	—	—	—	—	—	—	Hypoid 80W-90	1.2	—
E1400	1984-1986	HPR 30	3.0	Hypoid 80W-90	1.7	—	—	—	—	—	—	Hypoid 80W-90	1.2	—
E1600, E1800	1978-1987	HPR 30	3.6	Hypoid 80W-90	1.5/1.7	—	—	—	—	—	—	Hypoid 80W-90	1.2	—
E1800	1984-1996	HPR 30	3.6	Transaxle 75	1.7	—	—	—	—	—	—	Transaxle 75	1.3	—
E2000	1988-1999	HPR 15/30	3.6	Transaxle 75	1.7	ATF DX-III	7.5	—	—	—	—	Transaxle 75	1.3	Power Steering Fluid/ATF Top Up
E2000	1999-2006	HPR 10	3.9	Transaxle 75	2.5	ATF DX-III	7.0	—	—	—	—	Transaxle 75	1.4	Power Steering Fluid ATF Top Up
E2000	1984-1988	HPR 30	3.6	Hypoid 80W-90	1.7	ATF 33	7.5	—	—	—	—	Hypoid 80W-90	1.2/1.3	—
E2200 Diesel	1980-1997	HPR Diesel	5.0	Hypoid 80W-90	1.5/1.7	—	—	—	—	—	—	Hypoid 80W-90	1.3/1.6	Power Steering Fluid/ATF Top Up
E2500 Diesel	1997-1999	HPR Diesel 15	6.3	Hypoid 80W-90	1.7	—	—	—	—	—	—	Hypoid 80W-90	1.3/1.6	Power Steering Fluid/ATF Top Up
E2200 2.2L diesel	1980-1997	HPR Diesel	5.0	Transaxle 75	1.6	—	—	—	—	—	—	Transaxle 75	1.3/1.6	Power Steering Fluid ATF Top Up
E2500 2.5L diesel	1997-1999	HPR Diesel 15	6.3	Transaxle 75	1.7	—	—	—	—	—	—	Transaxle 75	1.3/1.6	Power Steering Fluid ATF Top Up
E2500 2.5L diesel	1999-2003	HPR Diesel 15	6.3	Transaxle 75	2.5	—	—	—	—	—	—	Transaxle 75	1.4	Power Steering Fluid ATF Top Up
E3000 Diesel	1978-1981	HPR Diesel	6.0	Hypoid 80W-90	2.8	—	—	—	—	—	—	Hypoid 80W-90	2.6/3.0	—
Millenia	2000-2002	HPR 10	4.1	—	—	ATF Synthetic	7.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
MPV	1990-1999	HPR 10	4.8	—	—	ATF DX-III	8.6	—	—	—	—	Hypoid 80W-90	1.2	Power Steering Fluid/ATF Top Up
MPV	2000-2001	HPR 10	5.2	—	—	ATF DX-III	8.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
MPV	2002-2006	HPR 5	5.7	—	—	ATF DX-III/MHP	9.7	—	—	—	—	—	—	Power Steering Fluid/ATF Top Up
MX-5	1989-1993	HPR 15/SIN 10	3.5	Manual Gear Oil 75	2.0	—	—	—	—	—	—	Hypoid 80W-90	0.6	Power Steering Fluid/ATF Top Up
MX-5	2006-2007	HPR 5/SIN 0	4.3	Transaxle 75	2.1	ATF MHP/SIN Auto	7.4	—	—	—	—	Transaxle 75	0.7	Power Steering Fluid/ATF Top Up
MX-5, 1.8L	1993-2005	HPR 10/SIN 5	3.8	Manual Gear Oil 75	2.0	ATF DX-III/SIN Auto	4.0	—	—	—	—	Linslip 90	1.0	Power Steering Fluid/ATF Top Up
MX-6 Sports 2.5L V6	1992-1998	HPR 10/SIN 5	3.7/4.0	Transaxle 75	2.7	ATF DX-III/SIN Auto	8.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Premacy	2001-2003	HPR 10	3.5	Transaxle 75	2.7	ATF DX-III/SIN Auto	7.2	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
R100 Rotary	1969-1971	HPR 30	4.0	Hypoid 80W-90	1.3	—	—	—	—	—	—	Hypoid 80W-90	1.2	—
RX-3	1972-1976	HPR 30	4.8/4.2	Hypoid 80W-90	1.4/1.7	ATF 33	5.5	—	—	—	—	Hypoid 80W-90	1.4	—
RX-4	1973-1979	HPR 30	4.2/5.0	Hypoid 80W-90	1.7/2.2	ATF 33	6.2	—	—	—	—	Hypoid 80W-90	1.2	Power Steering Fluid/ATF Top Up
RX-5	1976-1979	HPR 30	5.0	Hypoid 80W-90	2.2	ATF 33	6.2	—	—	—	—	Hypoid 80W-90	1.2	Power Steering Fluid/ATF Top Up
RX-7	1979-1985	HPR 30	4.2	Transaxle 75	1.7	ATF 33	7.5	—	—	—	—	Hypoid 80W-90 (L1, E3)	1.2	Power Steering Fluid/ATF Top Up
RX-7	1986-1987	HPR 30	4.4	Transaxle 75	2.0	ATF 33	6.2	—	—	—	—	Hypoid 80W-90 (L1, E3)	1.3	Power Steering Fluid/ATF Top Up
RX-7	1988-1991	HPR 15	4.4	Transaxle 75	2.5	ATF DX-III/SIN Auto	7.3	—	—	—	—	Hypoid 80W-90 (L1, E3)	1.3	Power Steering Fluid/ATF Top Up
RX-7, 1.3L Turbo	1986-1987	HPR 15	4.4	Transaxle 75	2.0	—	—	—	—	—	—	Hypoid 80W-90 (L1, E3)	1.4	Power Steering Fluid/ATF Top Up
RX-7, 1.3L Turbo	1988-1991	HPR 10	4.4	Transaxle 75	2.5	—	—	—	—	—	—	Hypoid 80W-90 (L1, E3)	1.4	Power Steering Fluid/ATF Top Up
RX-7, 1.3L Twin Turbo	1992-1999	HPR 10	3.4	Transaxle 75	2.5	—	—	—	—	—	—	Hypoid 80W-90 (L1, E3)	1.3	Power Steering Fluid/ATF Top Up
RX-8	2003-2006	HPR 5	3.8	Transaxle 75	1.8	ATF DX-III/SIN Auto	8.7	—	—	—	—	Transaxle 75	1.3	Power Steering Fluid/ATF Top Up
T2000	1981-1982	HPR 30	4.0	Hypoid 80W-90	3.3	—	—	—	—	—	—	Hypoid 80W-90	2.6	—
T2600	1993-2001	HPR 30	4.5	Hypoid 80W-90	3.3	—	—	—	—	—	—	Hypoid 80W-90	2.6	—
T3000 Diesel	1981-1984	HPR Diesel	6.0	Hypoid 80W-90	3.3	—	—	—	—	—	—	Hypoid 80W-90	2.6	Power Steering Fluid/ATF Top Up
T3500 Diesel, T3500 4x4	1984-1995	HPR Diesel	8.8	Hypoid 80W-90 (E3)	3.5	—	—	Transaxle 75	2.5	Hypoid 80W-90	4.5	Hypoid 80W-90	2.6	Power Steering Fluid/ATF Top Up
T3500 Turbo Diesel	1987-1992	HPR Diesel	8.8	Hypoid 80W-90	4.2	—	—	—	—	—	—	Hypoid 80W-90	3.6	—
T4000 Diesel	1990-2000	HPR Diesel 15	9.3	Hypoid 80W-90	3.3	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
T4100 Diesel	1981-1989	HPR Diesel	11.3	Hypoid 80W-90	4.2	—	—	—	—	—	—	Hypoid 80W-90	4.0	Power Steering Fluid/ATF Top Up
T4600 Diesel	1992-2000	HPR Diesel 15	7.0/8.6	Hypoid 80W-90	3.3	—	—	—	—	—	—	Hypoid 80W-90	3.6	Power Steering Fluid/ATF Top Up
T4600 Diesel	2000-2005	HPR Diesel 15	9.3	Transaxle 75	3.8	—	—	—	—	—	—	Hypoid 80W-90 (E3)	2.6/3.6	Power Steering Fluid/ATF Top Up
Traveller E2000 4x4	1986-1988	HPR 30	4.3	Hypoid 80W-90	2.5	—	—	Hypoid 80W-90	1.6	Hypoid 80W-90	1.2	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
Traveller, Traveller E1800/E2000	1984-1988	HPR 30	3.6	Hypoid 80W-90	1.7	ATF 33	7.5	—	—	—	—	Hypoid 80W-90	1.3	—

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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MAZDA (Cont'd)

Tribute 2.0L/2.3L	2001-2006	HPR 5	4.3	SIN Gear Oil 75	2.2	—	—	SIN Gear Oil 80	0.35	Combined Transmission	—	SIN Gear Oil 75	1.4	Power Steering Fluid/ATF Top Up
Tribute 3.0L	2001-2006	HPR 5	5.2	—	—	ATF Synthetic	9.0	SIN Gear Oil 80	0.35	Combined Transmission	—	SIN Gear Oil 75	1.5	Power Steering Fluid/ATF Top Up

NOTES (E2) - 1971-1972 with Borg Warner auto use ATF DX-II (E3) - May also use Transaxle 75 (H4) - Sole recommendation for engine (L1) - If limited slip differential fitted, refer to dealer.

MERCEDES BENZ

180E 1.8L	1991-1994	HPR 15	5.0	—	—	ATF DX-II	5.5	—	—	—	—	Hypoid 80W-90	0.7	PAS Fluid
190D	1986-1989	HPR Diesel 15	7.0	—	—	ATF DX-II	5.5	—	—	—	—	Hypoid 80W-90	0.7	PAS Fluid
190E, 1.8L/2.0L/2.3L	1990-1992	HPR 15	5.0	—	—	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	0.7	PAS Fluid
190E, 2.0L	1985-1990	HPR 30	5.0	—	—	ATF DX-II	5.5	—	—	—	—	Hypoid 80W-90	0.7	PAS Fluid
190E, 2.6L	1986-1991	HPR 15	6.0	—	—	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	1.1	PAS Fluid
220	1968-1976	HPR 30	5.0/6.0	ATF DX-II/Manual Gear Oil 70	1.6	ATF DX-II	4.5/4.8	—	—	—	—	Hypoid 80W-90 (J1)	1.0	—
220D, 240D	1968-1976	HPR Diesel	6.0/6.5	ATF DX-II/Manual Gear Oil 70	1.6	ATF DX-II	4.5/4.8	—	—	—	—	Hypoid 80W-90 (J1)	1.0	—
220E, E220, 2.2 L	1993-1998	HPR 10	5.8	—	—	ATF DX-II	5.6/6.0	—	—	—	—	Hypoid 80W-90	—	PAS Fluid
230, 230E, 230TE	1981-1986	HPR 30	5.5/4.5	—	—	ATF DX-II	5.3/4.8	—	—	—	—	Hypoid 80W-90	1.0	PAS Fluid
230, 250, 280E/SE/SEL/CE/TE	1977-1980	HPR 30	5.5/6.5	—	—	ATF DX-II	5.3	—	—	—	—	Hypoid 80W-90 (J1)	1.0	PAS Fluid
230, 250/C/CE, 280/E/C/CE	1968-1976	HPR 30	7.0	ATF DX-II/Manual Gear Oil 70	1.6	ATF DX-II	4.5/5.4	—	—	—	—	Hypoid 80W-90 (J1)	1.0	—
230E, 230TE, 2.3LITRE	1986-1993	HPR 15	5.0	—	—	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	0.7/1.1	PAS Fluid
230GE	1986-1989	HPR 15	6.5	ATF DX-II/Manual Gear Oil 70	1.7	ATF DX-II	7.0	Manual Gear Oil 80	2.0	Transaxle 75	—	Transaxle 75	—	PAS Fluid
240D	1981-1982	HPR Diesel	6.5	—	—	ATF DX-II	4.8	—	—	—	—	Hypoid 80W-90	1.0	PAS Fluid
240D	1977-1980	HPR Diesel	6.5	ATF DX-II/Manual Gear Oil 70	1.8	ATF DX-II	4.8	—	—	—	—	Hypoid 80W-90 (J1)	1.0	PAS Fluid
260E, 300E 2.6L	1988-1993	HPR 15	6.0	—	—	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	1.1	PAS Fluid
280E/CE/SE/SEL/TE	1981-1986	HPR 30	6.0/6.5	—	—	ATF DX-II	5.3/6.2	—	—	—	—	Hypoid 80W-90	1.0	PAS Fluid
280S, 280SE (116), 280SL, 280 SLC	1968-1976	HPR 30	7.0	ATF DX-II/Manual Gear Oil 70	1.6	ATF DX-II	5.3	—	—	—	—	Hypoid 80W-90 (J1)	1.0	—
280S/SE/8, 280SEL/SL/8, 300 SEL/8	1968-1976	HPR 30	7.0	ATF DX-II/Manual Gear Oil 70	1.4/1.8	ATF DX-II	5.4/5.8	—	—	—	—	Hypoid 80W-90 (J1)	2.5	—
280SE/SEL 3.5, 300SEL 3.5	1968-1973	HPR 30	8.5	ATF DX-II/Manual Gear Oil 70	1.8	ATF DX-II	5.4/5.8	—	—	—	—	Hypoid 80W-90 (J1)	2.5	—
280S/SE/8, 280SEL/SL/8, 300SEL/8	1968-1976	HPR 30	7.0	ATF DX-II/Manual Gear Oil 70	1.4/1.8	ATF DX-II	5.4/5.8	—	—	—	—	Hypoid 80W-90 (J1)	—	—
300D	1986-1993	HPR Diesel	7.5	—	—	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	0.7/1.1	PAS Fluid
300D, 300TD	1977-1986	HPR Diesel	6.5	—	—	ATF DX-II	4.8	—	—	—	—	Hypoid 80W-90 (J1)	1.0	PAS Fluid
300E, 300CE, 300SE 24V, 3.0L/3.2L	1990-1993	HPR 15	7.5	—	—	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90	1.1	PAS Fluid
300E/SE/SEL/TE, 3.0L	1986-1993	HPR 15	6.0	—	—	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90	0.7/1.1	PAS Fluid
300SEL 6.3, 350SE 3.5	1970-1976	HPR 30	8.5	—	—	ATF DX-II	7.8	—	—	—	—	Hypoid 80W-90 (J1)	2.5/1.3	—
320E, 320CE, S320, 3.2L	1993-1997	HPR 15	7.5	—	—	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90	1.3	PAS Fluid
300GD	1983-1989	HPR Diesel	7.0	ATF DX-II/Manual Gear Oil 70	1.7	ATF DX-II	7.0	Manual Gear Oil 80	2.0	Transaxle 75	—	Transaxle 75	—	PAS Fluid
350SL, 350SLC	1972-1976	HPR 30	8.5	ATF DX-II/Manual Gear Oil 70	1.8	ATF DX-II	5.8	—	—	—	—	Hypoid 80W-90 (J1)	1.3	—
380SE/SEL/SL/SEC	1981-1986	HPR 30	8.0	—	—	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90	1.3	PAS Fluid
400SE, 400SEL, 420SE, 420SEL, S420, 4.2L	1986-1999	HPR 10	8.0	—	—	ATF DX-II	7.7	—	—	—	—	Hypoid 80W-90	1.3	PAS Fluid
450SE/SEL/SL/SIC 4.5L	1977-1980	HPR 30	6.0	—	—	ATF DX-II	7.9	—	—	—	—	Hypoid 80W-90 (J1)	1.3	PAS Fluid
450SE/SEL/SL/SIC, 600 4.3L, 6.3L	1973-1976	HPR 30	8.5	—	—	ATF DX-II	7.8	—	—	—	—	Hypoid 80W-90 (J1)	1.3/3.2	—
450SEL, 6.9L	1979-1980	HPR 30	11.0	—	—	ATF DX-II	7.9	—	—	—	—	Hypoid 80W-90 (J1)	1.3	PAS Fluid
500SL, SL500, S500, 500SEL, 560SEL, 560SL, 560SEC, 5.0L	1990-1999	HPR 10	8.0	—	—	ATF DX-II	7.7	—	—	—	—	Hypoid 80W-90	1.3	PAS Fluid
600SEL, 6.0L	1992-1993	HPR 15	10.0	—	—	ATF DX-II	7.7	—	—	—	—	Hypoid 80W-90	1.4	PAS Fluid
600SL, SL600, 6.0L	1993-2003	HPR 10	10.0	—	—	ATF DX-II	6.0	—	—	—	—	Hypoid 80W-90	1.4	PAS Fluid
A140, A160, A190	1998-2006	HPR 10	4.5	Manual Gear Oil 75	—	(R2, K3)	6.3	—	—	—	—	Combined Transmission	—	Penrite SSF
A210	2002-2006	HPR 10	4.5	Manual Gear Oil 75	1.8	ATF BMW	6.3	—	—	—	—	Combined Transmission	—	Penrite SSF (E4)
B180 Cdi	2006-2007	HPR 0 (H4)	9.0	Manual Gear Oil 75	1.8	(Y2)	4.0-6.0	—	—	—	—	Combined Transmission	—	Refer to Dealer
B200, B200 Turbo	2006-2007	HPR 5	5.0	Manual Gear Oil 75	1.8	(Y2)	4.0-6.0	—	—	—	—	Combined Transmission	—	Refer to Dealer
C180, C200 5 speed auto	1997-2000	HPR 10	5.5	—	—	(R2, K3)	7.5	—	—	—	—	Transaxle 75 (G3)	1.1	PAS Fluid
C180 (203 series)	2002-2006	HPR 5	5.5	Manual Gear Oil 75	1.5-1.8	ATF BMW	7.3-8.2	—	—	—	—	Transaxle 75 (G3)	—	PAS Fluid (E4)

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
MERCEDES BENZ (Cont'd)														
C180K Kompressor	2002-2006	HPR 5	5.5	Manual Gear Oil 75	1.2-1.5	ATF BMW	7.3-8.2	-	-	-	-	SIN Gear Oil 75	-	PAS Fluid (E4)
C200K Kompressor	2002-2006	HPR 5	5.5	Manual Gear Oil 75	1.2-1.5	ATF BMW	7.3-8.2	-	-	-	-	SIN Gear Oil 75	-	PAS Fluid (E4)
C200T Estate	1994-1996	HPR 15	5.5	-	-	(R2, K3)	5.5	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
C200T Estate	1996-2004	HPR 10	5.5	-	-	(R2, K3)	7.5	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
C230	1996-1997	HPR 10	5.5	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
C230K Kompressor	2002-2006	HPR 5/SIN 0	5.5	Manual Gear Oil 75	1.2-1.8	ATF BMW	7.3-8.2	-	-	-	-	SIN Gear Oil 75	-	PAS Fluid (E4)
C240, C240T Estate	1997-2003	HPR 10	8.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
C250D, C250TD	1996-2003	HPR Diesel 15	6.5	-	-	(R2, K3)	5.5/8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
C270 CDI (203 series)	2002-2006	HPR Diesel 5	6.5	Manual Gear Oil 75	1.2-1.5	ATF BMW	7.3-8.2	-	-	-	-	Transaxle 75 (G3)	-	PAS Fluid (E4)
C280	1994-1997	HPR 15	7.0	-	-	ATF DX-II	5.5	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
C280, C320	1997-2005	HPR 10/SIN 5	8.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
C43 AMG, C43T AMG	1998-2004	HPR 10/SIN 5	7.5	-	-	(R2, K3)	9.1	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
CL500	2000-2004	HPR 10/SIN 5	8.0	-	-	(R2, K3)	9.1	-	-	-	-	Transaxle 75 (G3)	1.6	PAS Fluid
CL600	2000-2004	HPR 10/SIN 5	9.0	-	-	(R2, K3)	9.1	-	-	-	-	Transaxle 75 (G3)	1.6	PAS Fluid
CLK 320, CLK 430	1997-2004	HPR 10/SIN 5	8.0	-	-	(R2, K3)	8.0/9.1	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
CLK 55 AMG	2000-2004	HPR 10/SIN 5	7.5	-	-	(R2, K3)	9.1	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
CLK200, CLK 230 Kompressor	1997-2004	HPR 10/SIN 5	5.5	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
E200 Kompressor	2000-2004	HPR 10/SIN 5	5.5	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
E230, E230T	1996-1998	HPR 10	5.5	-	-	(R2, K3)	6.0/8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
E240, E240T, E280	1998-2004	HPR 10	8.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.1	PAS Fluid
E270 CDI	1999-2004	HPR Diesel 15	7.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.6	PAS Fluid
E270 CDI (211 Series)	2002-2006	HPR Diesel 5	6.5	Manual Gear Oil 75	1.2-1.5	ATF BMW	7.3-8.2	-	-	-	-	Transaxle 75 (G3)	-	PAS Fluid (E4)
E280, 2.8L	1993-1996	HPR 10	7.5	-	-	ATF DX-II	3.0	-	-	-	-	Hypoid 80W-90	0.7/1.1	PAS Fluid
E300D	1993-1994	HPR Diesel	7.5	-	-	ATF DX-II	6.2	-	-	-	-	Hypoid 80W-90	0.7/1.1	PAS Fluid
E300D	1997-1999	HPR Diesel 15	7.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
E320, E320T	1997-2003	HPR 10	8.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
E430	1998-2003	HPR 10	8.0	-	-	(R2, K3)	9.1	-	-	-	-	Transaxle 75 (G3)	1.6	PAS Fluid
E500 (211 series)	2002-2006	HPR 5	7.5	-	-	ATF BMW	7.3-8.2	-	-	-	-	Transaxle 75 (G3)	-	PAS Fluid (E4)
E55 AMG	1998-2003	HPR 10/SIN 5	7.5	-	-	(R2, K3)	9.1	-	-	-	-	Transaxle 75 (G3)	1.6	PAS Fluid
GL 320 CDI DPF	2006-2007	HPR 0 (H4)	9.0	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
GL 420 CDI	2006-2007	HPR 0 (H4)	11.5	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
GL 450/GL 500	2002-2007	HPR 5/SIN 0	8.0-8.5	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
MB 100, MB 140	1999-2005	SIN 5	7.5	Manual Gear Oil 80	2.5	-	-	-	-	-	-	Combined with transmission	-	PAS Fluid
MB 100D	1999-2005	HPR Diesel 5	6.8	Manual Gear Oil 80	2.5	-	-	-	-	-	-	Combined with transmission	-	PAS Fluid
MB 140D	1999-2005	HPR Diesel 5	7.3	Manual Gear Oil 80	2.5	-	-	-	-	-	-	Combined with transmission	-	PAS Fluid
ML 270 CDI	2000-2005	HPR Diesel 5	7.5	-	-	(R2, K3)	8.0	ATF BMW	1.5	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 280 CDI/ML 320 CDI	2005-2006	HPR Diesel 5	9.0	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 320	1998-2005	SIN 5	8.0	-	-	(R2, K3)	8.0	ATF BMW	1.5	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 320 CDI DPF	2006-2007	HPR 0 (H4)	9.0	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 350	2002-2007	HPR 5/SIN 0	8.0-8.5	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 420 CDI	2006-2007	HPR 0 (H4)	11.5	-	-	Refer to Dealer	-	Refer to Dealer	-	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 430	1999-2005	SIN 5	8.0	-	-	(R2, K3)	9.1	ATF BMW	1.5	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
ML 500/AMG ML 55	2002-2005	SIN 5	7.5	-	-	(R2, K3)	9.1	ATF BMW	1.5	Transaxle 75	-	SIN Gear Oil 75	-	PAS Fluid
R Class, 320CDi diesel	2006-2007	HPR 0 (H4)	8.5	-	-	(R2)	9.0	ATF BMW	0.5	Transaxle 75	1.1	Transaxle 75	1.1	PAS Fluid
R350/350L, R500/550L petrol	2006-2007	HPR 0	8.0/8.5	-	-	(R2)	6.7-9.0	ATF BMW	0.5	Transaxle 75	1.1	Transaxle 75	1.1	PAS Fluid
R65 AMG 4Matic	2006-2007	SIN 0	9.6	-	-	Refer to Dealer	9.0	ATF BMW	-	Refer to Dealer	-	Transaxle 75	-	PAS Fluid
S280	1995-1997	HPR 10	7.0	-	-	ATF DX-II	6.2	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
S280	1997-1999	HPR 10	7.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid
S320	1997-1999	HPR 10	7.0	-	-	(R2, K3)	8.0	-	-	-	-	Transaxle 75 (G3)	1.2	PAS Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
MERCEDES BENZ (Cont'd)														
S320	1999-2004	HPR 10	8.0	—	—	(R2, K3)	8.0	—	—	—	—	Transaxle 75 (G3)	1.2	PAS Fluid
S430	1999-2004	HPR 10	8.0	—	—	(R2, K3)	9.1	—	—	—	—	Transaxle 75 (G3)	1.6	PAS Fluid
S500L	1999-2004	HPR 10	8.0	—	—	(R2, K3)	9.1	—	—	—	—	Transaxle 75 (G3)	1.6	PAS Fluid
S55 AMG (220 series)	2000-2006	HPR 10/SIN 5	7.5	—	—	ATF BMW	9.1	—	—	—	—	Transaxle 75 (G3)	—	PAS Fluid (E4)
SL280	1995-1998	HPR 10	7.0	—	—	ATF DX-II	6.2	—	—	—	—	Transaxle 75 (G3)	1.2	PAS Fluid
SL280, SL320, SL350	1998-2005	HPR 10	8.0	—	—	(R2, K3)	8.0	—	—	—	—	Transaxle 75 (G3)	1.2	PAS Fluid
SL500, SL600	1998-2006	HPR 10	8.0	—	—	(R2, K3)	9.1	—	—	—	—	Transaxle 75 (G3)	1.6	PAS Fluid
SLK32 AMG Kompressor	2002-2006	HPR 5/SIN 0	8.0	—	—	ATF BMW	7.3-8.2	—	—	—	—	Transaxle 75 (G3)	—	PAS Fluid (E4)
SLK200	1997-2001	HPR 10/SIN 5	5.5	—	—	(R2, K3)	8.0	—	—	—	—	Transaxle 75 (G3)	0.7	PAS Fluid
SLK230 Kompressor	1997-2001	HPR 10/SIN 5	5.5	Manual Gear Oil 75	1.8	(R2, K3)	8.0	—	—	—	—	Transaxle 75 (G3)	1.1	PAS Fluid
SLK320	2000-2006	HPR 10/SIN 5	8.0	—	—	(R2, K3)	8.0	—	—	—	—	Transaxle 75 (G3)	—	PAS Fluid
SLR	2006-2007	SIN 0	9.0	—	—	Refer to Dealer	8.6	—	—	—	—	Refer to Dealer	—	Penrite SSF
Sprinter, 308CDI, 313CDI, 316CDI, 413CDI	2000-2006	HPR Diesel 5	8.5	Manual Gear Oil 75	1.8	(R2, K3)	—	—	—	—	—	Transaxle 75	—	Penrite SSF
Sprinter, 308D, 312D, 412D	1998-2000	HPR Diesel 5	9.5	Manual Gear Oil 75	1.8	(R2, K3)	—	—	—	—	—	Transaxle 75	—	Penrite SSF
Sprinter 313i AWD	2006-2007	HPR 0 (H4)	8.5	Manual Gear Oil 75	2.2	—	—	—	—	—	—	—	—	PAS Fluid
Vaneo 1.6L petrol	2002-2006	HPR 5	5.0	Manual Gear Oil 75	1.8	ATF BMW	7.3-8.2	—	—	—	—	Combined Transmission	—	PAS Fluid (S3)
Vaneo 1.7L CDI diesel	2002-2006	HPR Diesel 5	5.0	Manual Gear Oil 75	1.8	ATF BMW	7.3-8.2	—	—	—	—	Combined Transmission	—	PAS Fluid (S3)
Viano 2.2L CDI (incl 4WD)	2006-2007	HPR 0 (H4)	9.0	Manual Gear Oil 75	1.2/1.5	ATF BMW	7.8	Refer to Dealer	0.8	Refer to Dealer	0.7	Transaxle 75	1.5	Penrite SSF
Viano 3.5L petrol (incl 4WD)	2006-2007	HPR 5	10.0	Manual Gear Oil 75	1.2/1.5	ATF BMW	7.8	Refer to Dealer	0.8	Refer to Dealer	0.7	Transaxle 75	1.5	Penrite SSF
Vito 108CDI	1999-2005	HPR Diesel 5	9.5	Manual Gear Oil 75	1.8	(R2, K3)	—	—	—	—	—	Combined Transmission	—	Penrite SSF
Vito 108D	1998-1999	HPR Diesel 5	8.5	Manual Gear Oil 75	1.8	(R2, K3)	—	—	—	—	—	Combined Transmission	—	Penrite SSF
Vito 113	1998-2005	SIN 5	7.5	Manual Gear Oil 75	1.8	(R2, K3)	—	—	—	—	—	Combined Transmission	—	Penrite SSF
Vito 119P	2006-2007	HPR 0 (H4)	—	—	—	—	—	—	—	—	—	—	—	—

NOTES (E4) - Self levelling suspension fluid use MB 15 Suspension Fluid (MB 343.0). (G3) - If limited slip differential fitted use Transaxle 75 plus 150ml Penrite Limslip Additive 7098 or use 100% SIN Gear Oil 75. (H4) - Sole recommendation for engine. (J1) - If limited slip differential fitted, use Limslip 90. (K3) - 5 Speed MB autos requiring MB235.10 use ATF BMW. (R2) - ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DXVI, 7 speed autos, refer to dealer. (S3) - Level control/Suspension requiring MB 343.0 use Penrite MB 15. For MB 345.0 use Penrite SSF. (Y2) - CVT, refer to dealer

M.G

Midget, Mk III	1967-1972	HPR 30	3.1	Gear Box Oil 30 (C4)	1.3	—	—	—	—	—	—	Mild EP Gear Oil	1.0	—
MGB Mk I, II, GT	1963-1972	HPR 30	4.0	SIN Manual Trans (W1)	2.5	ATF 33	6.0	—	—	—	—	Mild EP Gear Oil	1.3/0.7	—
MG-F	1997-2001	HPR 5	4.5	Manual Gear Oil 75	2.2	(Y2)	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
MG-TF	2000-2005	HPR 5	4.5	Manual Gear Oil 75	2.0	(Y2)	—	—	—	—	—	—	—	Power Steering Fluid/ATF Top Up
ZT, ZFT including supercharged	2002-2005	HPR 5	5.1	Manual Gear Oil 75	1.4	ATF Synthetic	4.5	—	—	—	—	—	—	Power Steering Fluid/ATF Top Up
ZT V8 (RWD)	2004	HPR 5	4.7	Manual Gear Oil 75	3.6	ATF Synthetic	—	—	—	—	—	SIN Gear Oil 80	1.6	Power Steering Fluid/ATF Top Up

NOTES (C4) - May also use SIN Manual Trans, (W1) - Overdrive use SIN Manual Trans (Y2) - CVT, refer to dealer

MINI

Cooper, Cooper S	2002-2006	HPR 5	4.5	(S2)	2.0	Refer to Dealer	—	—	—	—	—	Refer to Dealer	—	Penrite SSF
Mini	1973-1979	HPR 30	4.3	Combined with Crankcase	—	—	—	—	—	—	—	Combined with Crankcase	—	—
Mini 1.3L, Cooper, Cabrio	1992-2000	HPR 10	4.8/5.1	Combined with Crankcase	—	—	—	—	—	—	—	Combined with Crankcase	—	—
Mini 1000	1980-1992	HPR 15	4.8/5.1	Combined with Crankcase	—	—	—	—	—	—	—	Combined with Crankcase	—	—

NOTES (S2) - Midland 5 speed GS5-65 BN/SH and Getrag 6 speed GS6-85 B6/DG to 7/04 use Manual Gear Oil 75. 5 speed Getrag and 8/04 on, use Manual Gear Oil 70.

MITSUBISHI

380 3.8L	2006-2007	HPR 10	4.3	Refer to Dealer	2.8	ATF MHP/SIN Auto	8.4	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid/ATF Top Up
3000GT	1992-1996	HPR 10/SIN 10	4.3	Manual Gear Oil 80	2.4	—	—	Manual Gear Oil 80	0.3	Combined Transmission	—	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up/ATF MHP
Canter FB511	1998-2001	HPR Diesel 15	7.5	Manual Gear Oil 80	3.1	—	—	—	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Canter FC, FC432	1979-1992	HPR 30	5.0	HPR 30/HPR Diesel	3.2/4.4	—	—	—	—	—	—	Hypoid 80W-90	2.4/2.7	Power Steering Fluid/ATF Top Up
Canter FE	1979-1986	HPR Diesel	8.2	HPR 30/HPR Diesel	4.0/4.4	—	—	—	—	—	—	Hypoid 80W-90	2.4/2.7	Power Steering Fluid/ATF Top Up
Canter FE 334, 434, 444	1986-1992	HPR Diesel	8.5	Manual Gear Oil 80	2.9	—	—	—	—	—	—	Hypoid 80W-90	2.7	ATF Top Up/Power Steering Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
MITSUBISHI (Cont'd)														
Canter FE 339, 449, 444 Turbo	1986-1995	HPR Diesel	8.5	Manual Gear Oil 80	4.5/3.4	--	--	--	--	--	--	Hypoid 80W-90	2.7	Power Steering Fluid/ATF Top Up
Canter FE 537, 637, 647	1996-2002	HPR Diesel 15	9.0	Manual Gear Oil 80	3.1	--	--	--	--	--	--	Hypoid 80W-90	2.7	Power Steering Fluid/ATF Top Up
Canter FE 539, 639, 649	1995-1996	HPR Diesel 15	9.0	Manual Gear Oil 80	2.7	--	--	--	--	--	--	Hypoid 80W-90	2.7	Power Steering Fluid/ATF Top Up
Canter FE 657, 659	1995-2002	HPR Diesel 15	9.0	Manual Gear Oil 80	3.1	--	--	--	--	--	--	Hypoid 80W-90	4.5	Power Steering Fluid/ATF Top Up
Canter FG 434 4x4	1989-1992	HPR Diesel	8.5	Manual Gear Oil 80	4.0/2.9	--	--	Manual Gear Oil 80	2.5	Limslip 90	--	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
Canter FG 439 4x4	1993-1995	HPR Diesel	8.5	Manual Gear Oil 80	3.4	--	--	Manual Gear Oil 80	2.5	Limslip 90	--	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
Canter FG 637/639 4x4	1995-2004	HPR Diesel 15	9.0	Manual Gear Oil 80	3.1/3.4	--	--	Manual Gear Oil 80	3.0	Limslip 90	--	Limslip 90	3.0	Power Steering Fluid/ATF Top Up
Carisma	1996-1999	HPR 10	3.8	--	--	ATF MHP	5.5	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Challenger PA	1998-2004	HPR 10	4.5	Transaxle 75 (C4)	2.5	ATF MHP	8.5	Manual Gear Oil 80 (C4)	2.3	Limslip 90	--	Limslip 90	0.9	Power Steering Fluid/ATF Top Up/ATF MHP
Chariot	1985-1991	HPR 15	4.0	Manual Gear Oil 80	2.2	ATF DX-II	5.8	Manual Gear Oil 80	0.7	Combined Transmission	--	Limslip 90	0.7	Power Steering Fluid/ATF Top Up/ATF MHP
Chariot	1991-1997	HPR 10	3.8	Manual Gear Oil 80	1.8	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Chariot	1997-1998	HPR 10	4.0	Manual Gear Oil 80	1.8	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Colt 1000/E, 1100/F	1965-1971	HPR 30	2.5	Hypoid 80W-90	0.9	--	--	--	--	--	--	Hypoid 80W-90	0.9/0.6	--
Colt RA	1980-1982	HPR 40	3.5	Transaxle 75	2.2	ATF DX-II	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Colt RB, RC	1982-1985	HPR 30	4.0	Transaxle 75	2.3	ATF DX-II	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Colt RC, RD, RE (ULP)	1986-1991	HPR 30	3.5	Transaxle 75	2.3	ATF DX-II	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Colt RG	2004-2007	HPR 5	3.3	--	--	ATF MHP	8.1	--	--	--	--	Combined Transmission	--	Penrite SSF
Cordia including Turbo	1984-1989	HPR 30	3.5	Transaxle 75	2.3	ATF DX-II	5.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Delicia (diesel)	1994-1999	HPR Diesel 15	--	Transaxle 75	--	ATF MHP	--	--	--	Limslip 90 (E3)	--	Limslip 90	--	ATF MHP/Power Steering Fluid
Delicia (petrol)	1994-1999	HPR 15	4.9	Transaxle 75	--	ATF MHP	--	--	--	Limslip 90 (E3)	--	Limslip 90	--	ATF MHP/Power Steering Fluid
Eterna Hardtop	1986-1990	HPR 15	4.6	Manual Gear Oil 80	2.3	--	--	--	--	--	--	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
Express SF, Starwagon diesel	1989-1990	HPR Diesel	4.0	Manual Gear Oil 80 (C4)	2.0	--	--	--	--	--	--	Hypoid 80W-90	1.3	--
Express SG diesel	1990-1991	HPR Diesel	5.0	Manual Gear Oil 80 (C4)	2.0	ATF DX-II	6.8	--	--	--	--	Hypoid 80W-90	1.5/1.2	Power Steering Fluid/ATF Top Up
Express SG/SH/SJ Series, Starwagon SG series incl 4x4	1991-2003	HPR 15	3.9/4.9	Manual Gear Oil 80 (C4)	2.0	ATF MHP	6.8	Manual Gear Oil 80	2.2	Limslip 90	--	Limslip 90	1.3	Power Steering Fluid/ATF Top Up/ATF MHP
Express WA series	1994-2003	HPR 10	4.3	Manual Gear Oil 80 (C4)	2.3	ATF MHP	6.8	--	--	--	--	Limslip 90	1.6	Power Steering Fluid/ATF Top Up/ATF MHP
Express, Starwagon 4x4	1986-1990	HPR 30	4.0	Manual Gear Oil 80 (C4)	2.2	--	--	Manual Gear Oil 80	2.2	Limslip 90	--	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
FTO	1994-2000	HPR 10/SIN 5	4.2	Transaxle 75	2.2	ATF MHP/SIN Auto	--	--	--	--	--	Limslip 90	--	ATF MHP/Power Steering Fluid
FTO	2000-2004	HPR 10/SIN 5	4.2	Transaxle 75	2.2	ATF MHP/SIN Auto	7.8	--	--	--	--	--	--	Power Steering Fluid
Galant GA, GB, GC, GD	1971-1981	HPR 40	3.5	Manual Gear Oil 80 (C4)	1.7	ATF DX-II	5.5	--	--	--	--	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up
Galant GLXi/SEi and VR	1996-2001	HPR 10	4.2	Transaxle 75	2.0	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Galant HG, HH	1989-1993	HPR 15	3.9/4.4	Transaxle 75	1.8	ATF DX-II	6.1	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Galant HH VR4	1990-1993	HPR 15/SIN 10	4.4	Transaxle 75	2.3	--	--	Manual Gear Oil 80	0.6	Combined Transmission	--	Hypoid 80W-90 (E3)	0.7	Power Steering Fluid/ATF Top Up
Galant HJ 2.0L 4cyl and V6 (SH/SJ/SK)	1993-1996	HPR 10	4.3	Transaxle 75	1.8	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Galant SH/SJ/SK 1.8L	1993-1996	HPR 10	3.8	Transaxle 75	1.8	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Grandis	2004-2006	HPR 5	4.3	--	--	ATF MHP	7.7	--	--	--	--	Combined Transmission	--	ATF MHP/Power Steering Fluid/ATF Top Up
GTO	2001-2006	HPR 10/SIN 5	4.3	Transaxle 75	2.3	--	--	Transaxle 75	0.3	Combined Transmission	--	Transaxle 75	1.1	Power Steering Fluid/ATF Top Up
GTO	1990-1995	HPR 10/SIN 10	--	Transaxle 75	--	ATF MHP/SIN Auto	--	--	--	--	--	SIN Gear Oil 75	--	ATF MHP/Power Steering Fluid
L200 MA, MB series incl 4x4, 4G52 engine	1981-1982	HPR 40	4.3	Manual Gear Oil 80	2.2	--	--	Manual Gear Oil 80	2.2	Hypoid 80W-90	--	Hypoid 80W-90	1.2	--
L200 MC, MD diesel incl 4x4	1982-1986	HPR Diesel	5.1/6/1	Manual Gear Oil 80	2.2	--	--	Manual Gear Oil 80	2.2	Hypoid 80W-90	--	Hypoid 80W-90	1.5	--
L200 MC, MD incl 4x4	1982-1986	HPR 30	4.0	Manual Gear Oil 80	2.2	--	--	Manual Gear Oil 80	2.2	Hypoid 80W-90	--	Hypoid 80W-90	1.5	--
L300 SA to SE series, Express, Starwagon	1980-1990	HPR 30	4.0	Manual Gear Oil 80	1.8/2.0	ATF DX-II	6.2	--	--	--	--	Hypoid 80W-90	1.3/1.8	Power Steering Fluid/ATF Top Up
L300 SC, SD, SE, 4x4	1983-1990	HPR 30	5.0	Manual Gear Oil 80	2.2	--	--	Manual Gear Oil 80	2.2	Limslip 90	--	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Lancer CA, 1.5L	1988-1990	HPR 15	3.4	Transaxle 75 (C4)	1.8	ATF DX-II/SIN Auto	6.1	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Lancer CB 1.5L/1.6L	1990-1992	HPR 15	3.4/4.4	Transaxle 75 (C4)	1.8	ATF DX-II/SIN Auto	6.1	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Lancer CC/CD Series, 1.5L	1992-1996	HPR 10	3.3/3.8	Transaxle 75 (C4)	1.8	ATF MHP/SIN Auto	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Lancer CC/CD, 1.6L/1.8L	1992-1996	HPR 10	3.9	Transaxle 75 (C4)	1.8	ATF MHP/SIN Auto	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Lancer CE 1.5L	1996-2003	HPR 10/SIN 5	3.3	Transaxle 75 (C4)	2.1	ATF MHP/SIN Auto	7.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Lancer CE 1.8L	1996-2003	HPR 10/SIN 5	3.8	Transaxle 75 (C4)	2.2	ATF MHP/SIN Auto	7.8	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Lancer CG, CH 2.0L	2002-2006	HPR 10/SIN 5	3.8	Transaxle 75 (C4)	2.2	ATF MHP/SIN Auto	7.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
MITSUBISHI (Cont'd)														
Lancer CH, 2.4L	2006-2007	HPR 5/SIN 0	4.3	Transaxle 75 (C4)	2.2	ATF MHP/SIN Auto	7.7	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Lancer Evo IX	2006-2007	HPR 5/SIN 0	4.2	Transaxle 75	2.2	—	—	SIN Gear Oil 75	0.6	Combined Transmission	—	SIN Gear Oil 75	0.6	PAS Fluid
Lancer Evo VIII	2004	HPR 5/SIN 0	4.8	Transaxle 75	2.2	—	—	SIN Gear Oil 75	0.6	Combined Transmission	—	SIN Gear Oil 75	0.6	PAS Fluid
Lancer Evo VI, VII	1998-2003	HPR 10/SIN 10	4.9	Transaxle 75	2.8	—	—	SIN Gear Oil 75	—	SIN Gear Oil 75	—	SIN Gear Oil 75	0.6	PAS Fluid
Lancer GSR Turbo 4WD	1992-1996	HPR 10/SIN 10	3.9	Transaxle 75	2.2	—	—	—	0.5	Combined Transmission	—	Hypoid 80W-90 (E3)	0.8	Power Steering Fluid/ATF Top Up/ATF MHP
Lancer LALB,LC	1976-1981	HPR 30	3.5	Transaxle 75	1.8	ATF DX-II	6.0/6.4	—	—	—	—	Hypoid 80W-90 (E3)	1.1	Power Steering Fluid/ATF Top Up
Magna TE, TF 2.4L	1996-1999	HPR 10	4.3	SIN Manual Trans	2.2	ATF MHP	7.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TE, TF, TH 3.0L	1996-2000	HPR 10	4.3	SIN Manual Trans	2.8	ATF MHP	8.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TH 3.5L	1999-2000	HPR 10	4.7	SIN Manual Trans	2.8	ATF MHP	8.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TL, Verada KJ (incl AWD)	2000-2003	HPR 10	4.7	Manual Gear Oil 75 (C4)	2.8	ATF MHP	8.4	SIN Gear Oil 75	0.6	Combined Transmission	—	SIN Gear Oil 75	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TL, Verada KL/XW (incl AWD)	2003-2005	HPR 10	4.7	Manual Gear Oil 75 (C4)	2.8	ATF MHP	8.4	SIN Gear Oil 75	0.6	Combined Transmission	—	SIN Gear Oil 75	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TM, TN	1985-1989	HPR 15	4.1	SIN Manual Trans	2.3	ATF MHP	5.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TP	1989-1992	HPR 15	4.6	SIN Manual Trans	2.5	ATF MHP	5.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TR, TS, Verada KR, KS 3.0L	1993-1996	HPR 15	4.3	SIN Manual Trans	2.0	ATF MHP	7.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Magna TR,TS 2.6L	1991-1996	HPR 15	4.6	SIN Manual Trans	2.0	ATF MHP	7.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Mirage 1.5L (CE)	1996-2003	HPR 10	3.3	Transaxle 75	2.1	ATF MHP/SIN Auto	7.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Nimbus UA-UB	1984-1987	HPR 30	4.0	Transaxle 75	2.3	ATF DX-II	5.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Nimbus UC	1987-1991	HPR 30	4.0	Transaxle 75	1.8	ATF DX-II	5.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Nimbus UF	1992-1998	HPR 15	4.0/4.3	Manual Gear Oil 75	2.3	ATF MHP	6.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Nimbus UG	1998-2004	HPR 10	4.3	Manual Gear Oil 75	2.2	ATF MHP	7.8	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up/ATF MHP
Outlander	2002-2006	HPR 10	4.3	Transaxle 75	—	ATF MHP	8.1	Transaxle 75	0.6	Combined Transmission	—	Transaxle 75	0.6	Power Steering Fluid/ATF Top Up/ATF MHP
Pajero/Shogun iD 1.6/1.8L	1999-2003	HPR 10	3.8	Transaxle 75	2.4	ATF MHP	7.2	Manual Gear Oil 80	2.2	Linslip 90 (E3)	1.0	Linslip 90	1.2/1.7	Power Steering Fluid/ATF Top Up/ATF MHP
Pajero/Shogun NA to NG series, 4cyl petrol	1983-1991	HPR 30	4.3/5.0	Transaxle 75 (C4)	2.2	ATF DX-II	7.2	Manual Gear Oil 80 (C4)	2.2	Linslip 90 (E3)	1.1	Linslip 90	1.8	Power Steering Fluid/ATF Top Up
Pajero/Shogun NA to NG series, diesel	1983-1991	HPR Diesel	6.5	Transaxle 75 (C4)	2.2	—	—	Manual Gear Oil 80 (C4)	2.2	Linslip 90 (E3)	1.3	Linslip 90	1.8/2.6	Power Steering Fluid/ATF Top Up
Pajero/Shogun NF, NG V6	1988-1991	HPR 30	4.7	Transaxle 75 (C4)	2.2	ATF DX-II	7.2	Manual Gear Oil 80 (C4)	2.2	Linslip 90 (E3)	1.1	Linslip 90	2.6	Power Steering Fluid/ATF Top Up
Pajero/Shogun NH 4G54	1991-1993	HPR 30	4.9	Transaxle 75 (C4)	2.2	—	—	Manual Gear Oil 80 (C4)	2.3	Linslip 90 (E3)	1.2	Linslip 90	—	Power Steering Fluid/ATF Top Up
Pajero/Shogun NH diesel	1991-1993	HPR Diesel	5.7	Transaxle 75 (C4)	2.5	—	—	Manual Gear Oil 80 (C4)	2.3	Linslip 90 (E3)	1.2	Linslip 90	—	Power Steering Fluid/ATF Top Up
Pajero/Shogun NH V6	1991-1993	HPR 30	5.0	Transaxle 75 (C4)	2.5	ATF DX-II	7.5	Manual Gear Oil 80 (C4)	2.3	Linslip 90 (E3)	1.2	Linslip 90	—	Power Steering Fluid/ATF Top Up
Pajero/Shogun NJ, NK 3.0L V6	1993-1997	HPR 15	4.9	Transaxle 75 (C4)	2.5	ATF MHP	7.5	Manual Gear Oil 80 (C4)	2.3	Linslip 90 (E3)	1.2	Linslip 90	2.6	Power Steering Fluid/ATF Top Up/ATF MHP
Pajero/Shogun NJ, NK 3.5L V6	1993-1997	HPR 15	4.9	Transaxle 75 (C4)	3.7	ATF MHP	8.5	Manual Gear Oil 80 (C4)	2.5	Linslip 90 (E3)	1.2	Linslip 90	3.2	Power Steering Fluid/ATF Top Up/ATF MHP
Pajero/Shogun NJ, NK diesel	1993-1997	HPR Diesel 15	7.8	Transaxle 75 (C4)	2.2	—	—	Manual Gear Oil 80 (C4)	2.2	Linslip 90 (E3)	1.2	Linslip 90	2.6	Power Steering Fluid/ATF Top Up
Pajero/Shogun NL diesel	1998-2000	HPR Diesel 15	7.8	Transaxle 75 (C4)	3.7	—	—	Manual Gear Oil 80 (C4)	2.5	Linslip 90 (E3)	1.2	Linslip 90	3.2	Power Steering Fluid/ATF Top Up
Pajero/Shogun NL petrol	1998-2000	HPR 10	4.9	Transaxle 75 (C4)	3.7	ATF MHP	8.5	Manual Gear Oil 80 (C4)	2.5	Linslip 90 (E3)	1.2	Linslip 90	3.2	Power Steering Fluid/ATF Top Up/ATF MHP
Pajero/Shogun NM diesel 2.8L/3.2L	2000-2002	HPR Diesel 15	9.8/7.8	Transaxle 75 (C4)	3.2	ATF MHP	—	Manual Gear Oil 80 (C4)	2.5	Linslip 90 (E3)	1.1	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
Pajero/Shogun NM petrol	2000-2005	HPR 10	4.6	Transaxle 75	3.2	ATF MHP	9.3	Manual Gear Oil 80	2.5/2.8	Linslip 90 (E3)	1.1	Linslip 90	1.6	Power Steering Fluid/ATF Top Up/ATF MHP
Pajero/Shogun NP 3.2L diesel	2002-2006	HPR Diesel 15	8.5	Transaxle 75	3.2	ATF MHP	9.7	Hypoid 80W-90 (E3)	2.8	Hypoid 80W-90 (E3)	1.2	Hypoid 80W-90 (E3)	1.6	ATF MHP/Power Steering Fluid/ATF Top Up
Pajero/Shogun NP 3.8L petrol	2004-2007	HPR 10	4.6	Transaxle 75	3.2	ATF MHP	9.7	Hypoid 80W-90 (E3)	2.8	Hypoid 80W-90 (E3)	1.2	Hypoid 80W-90 (E3)	1.6	ATF MHP/Power Steering Fluid/ATF Top Up
Pajero NS 3.2L DiD Diesel	2007	HPR 0 (H4)	—	Transaxle 75	—	ATF MHP	—	Transaxle 75	—	Transaxle 75	—	Transaxle 75 (J1)	—	ATF MHP/Power Steering Fluid
Pajero NS 3.8L V6	2006-2007	HPR 5	—	Transaxle 75	—	ATF MHP	—	Transaxle 75	—	Transaxle 75	—	Transaxle 75 (J1)	—	ATF MHP/Power Steering Fluid
Sigma 1.6L/1.8L	1977-1985	HPR 40	3.5	Transaxle 75	1.7	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90 (E3)	1.1	Power Steering Fluid/ATF Top Up
Sigma 2.6L, MMC 5 speed manual	1983-1985	HPR 40	3.5/3.0	Manual Gear Oil 80	2.3	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up
Sigma GH 2.0L Turbo	1981-1982	HPR 30	4.1	Transaxle 75	2.8	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Sigma Scorpion	1977-1985	HPR 40	3.8	Manual Gear Oil 80	2.3	ATF DX-II	6.3	—	—	—	—	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
Sigma, 2.0L, B/W Australia 4 speed manual	1977-1985	HPR 40	3.5	Manual Gear Oil 80	2.3	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up
Sigma, 2.0L, B/W Australia 5 speed manual	1977-1985	HPR 40	3.5	Manual Gear Oil 80	2.8	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up
Sigma, 2.0L, MMC 4/5 speed manual	1977-1985	HPR 40	3.7	Transaxle 75	1.7/2.3	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90 (E3)	1.1	Power Steering Fluid/ATF Top Up
Sigma, 2.6L (U1P), MMC 5 speed manual	1986-1987	HPR 30	3.0	Transaxle 75	2.3	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90 (E3)	1.1	Power Steering Fluid/ATF Top Up
Sigma, 2.6L, B/W Australia 5 speed manual	1979-1983	HPR 40	3.8	Transaxle 75	2.8	ATF DX-II	7.4	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Starion JA, JB	1982-1985	HPR 30	3.5	Transaxle 75	2.3	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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MITSUBISHI (Cont'd)

Starion JD	1986-1987	HPR 30	3.5	Transaxle 75	2.3	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Starwagon SG, SH Series	1991-1994	HPR 15	3.9	Transaxle 75 (C4)	2.0	ATF DX-II	6.8	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Starwagon SJ Series	1995-2004	HPR 10	3.9	Transaxle 75 (C4)	2.0	ATF MHP	6.8	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up/ATF MHP
Starwagon WA 2.0L/2.4L	1994-1999	HPR 10	4.3	Transaxle 75 (C4)	2.3	ATF MHP	6.8	--	--	--	--	Hypoid 80W-90 (E3)	1.2/1.6	Power Steering Fluid/ATF Top Up/ATF MHP
Starwagon WA 3.0L	1994-1996	HPR 15	4.5	Transaxle 75 (C4)	--	ATF MHP	7.0	--	--	--	--	Hypoid 80W-90 (E3)	2.6	Power Steering Fluid/ATF Top Up/ATF MHP
Triton L200 4x4	1987-1990	HPR 30	5.8	Transaxle 75	2.2	--	--	Manual Gear Oil 80	2.2	Hypoid 80W-90 (E3)	1.1	Hypoid 80W-90 (E3)	2.1/1.5	Power Steering Fluid/ATF Top Up
Triton L200 ME diesel incl 4x4	1986-1990	HPR Diesel	6.2	Transaxle 75	2.2	--	--	Manual Gear Oil 80	2.2	Hypoid 80W-90 (E3)	1.1	Hypoid 80W-90 (E3)	1.8/1.5	Power Steering Fluid/ATF Top Up
Triton L200ME	1986-1988	HPR 30	4.3	Transaxle 75	2.2	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.8	--
Triton MH, MJ	1990-1996	HPR 30	4.2	Transaxle 75	2.3	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Triton MH, MJ 4x4	1990-1996	HPR 30	5.7	Transaxle 75	2.2	--	--	Manual Gear Oil 80	2.2	Limitslip 90 (E3)	1.1	Limitslip 90	2.6	Power Steering Fluid/ATF Top Up
Triton MH, MJ 4x4 V6	1990-1996	HPR 30	5.0	Transaxle 75	2.5	--	--	Manual Gear Oil 80	2.2	Limitslip 90 (E3)	1.1	Limitslip 90	2.6	Power Steering Fluid/ATF Top Up
Triton MH, MJ diesel	1990-1996	HPR Diesel	6.2	Transaxle 75	2.3	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Triton MH, MJ diesel 4x4	1990-1996	HPR Diesel	6.5	Transaxle 75	2.2	--	--	Manual Gear Oil 80	2.2	Limitslip 90 (E3)	1.1	Limitslip 90	2.6	Power Steering Fluid/ATF Top Up
Triton MK 2.4L	1996-2006	HPR 15	4.3	Transaxle 75	2.3	ATF MHP	6.8	--	--	--	--	Hypoid 80W-90 (E3)	1.6	--
Triton MK 4x4 3.0L	1996-2006	HPR 15	4.5	Transaxle 75	2.3	ATF MHP	8.5	Manual Gear Oil 80	2.2	Limitslip 90 (E3)	1.1	Limitslip 90	2.6	Power Steering Fluid/ATF Top Up/ATF MHP
Triton MK diesel	1996-2006	HPR Diesel 15	7.8	Transaxle 75	2.3	ATF MHP	6.8	--	--	--	--	Hypoid 80W-90 (E3)	1.6	Power Steering Fluid/ATF Top Up/ATF MHP
Triton MK diesel 4x4	1996-2006	HPR Diesel 15	7.8	Transaxle 75	2.3	ATF MHP	8.5	Manual Gear Oil 80	2.2	Limitslip 90 (E3)	1.1	Limitslip 90	2.6	Power Steering Fluid/ATF Top Up/ATF MHP
Triton ML Diesel	2006-2007	HPR 0 (H4)	--	Transaxle 75	--	ATF MHP	--	--	--	--	--	--	--	ATF MHP/Power Steering Fluid
Triton ML Petrol	2006-2007	HPR 10	--	Transaxle 75	--	ATF MHP	--	--	--	--	--	--	--	ATF MHP/Power Steering Fluid
Verada KE/XF/XH, Diamante	1996-2000	HPR 10	4.7	--	--	ATF MHP	8.5	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Verada KJ/KL/KW, Diamante (incl AWD)	2000-2005	HPR 10	4.7	Manual Gear Oil 75 (C4)	2.8	ATF MHP	8.4	SIN Gear Oil 75	--	Combined Transmission	--	SIN Gear Oil 75	--	Power Steering Fluid/ATF Top Up/ATF MHP

NOTES (C4) - May also use SIN Manual Trans (E3) - May also use Transaxle 75 (H4) - Sole recommendation for engine

MORGAN

4/4 1800 (Ford Zetec)	1994-2006	HPR 5	5.5	Transaxle 75	1.2	--	--	--	--	--	--	Hypoid 80W-90	1.0	--
Aero 8 (M62)	2001-2005	HPR 5	6.0/7.0	(Y1)	--	--	--	--	--	--	--	(Y1)	--	--
Aero 8, 4.4 V8 (N62)	2006-2007	HPR 5	6.0/7.0	(Y1)	--	--	--	--	--	--	--	(Y1)	--	--
Roadster 3.0L V6	2004-2006	HPR 5	5.5	ATF BMW	1.1	--	--	--	--	--	--	SIN Gear Oil 80	1.5	Power Steering Fluid

NOTES (Y1) - Filled for life.

MORRIS

1100S, 1300 Nomad	1973-1974	HPR 30	5.1	Combined with crankcase	--	--	--	--	--	--	--	Combined with crankcase	--	--
1500, 1500 Nomad	1973-1974	HPR 30	4.0	Combined with crankcase	--	--	--	--	--	--	--	Combined with crankcase	--	--
Marina 1500, 1750	1972-1973	HPR 30	3.4	Hypoid 80W-90	1.1	ATF 33	5.4	--	--	--	--	Hypoid 80W-90	1.0	--
Mini	1968-1973	HPR 30	4.3/5.1	Combined with crankcase	--	--	--	--	--	--	--	Combined with crankcase	--	--

NISSAN (INCLUDING DATSUN)

120Y, 120T SS	1974-1979	HPR 30	2.7	Hypoid 80W-90	1.2	ATF DX-II	5.5/5.1	--	--	--	--	Hypoid 80W-90	0.9	--
180B, 180B SSS	1972-1977	HPR 30	3.8	Hypoid 80W-90	1.7/2.0	ATF DX-II	6.4/5.5	--	--	--	--	Hypoid 80W-90	0.8/1.3	--
180SX	1991-1996	HPR 10/SIN 5	4.5	Transaxle 75	2.0	ATF DX-III/ATF MHP/SIN Auto	--	--	--	--	--	Limitslip 90	--	Power Steering Fluid
200B	1979-1981	HPR 40	3.8	Manual Gear Oil 80	2.1	ATF DX-II	7.3	--	--	--	--	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
200SX	1994-2000	HPR 5/HPR 10/SIN 5	3.7	Manual Gear Oil 80	2.5	ATF DX-III/ATF MHP/SIN Auto	7.9	--	--	--	--	Limitslip 90	1.3/1.8	Power Steering Fluid/ATF Top Up
200SX	2000-2003	HPR 5/SIN 0	3.5	Manual Gear Oil 80	1.8	ATF MHP/SIN Auto	7.9	--	--	--	--	Limitslip 90	1.2	Power Steering Fluid/ATF Top Up
240K GL	1972-1978	HPR 30	5.0	Hypoid 80W-90	1.6/2.0	ATF DX-II	5.5	--	--	--	--	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
240Z S30, 240Z P230	1970-1974	HPR 30	4.0	Hypoid 80W-90	1.5	ATF DX-II	5.5/6.0	--	--	--	--	Hypoid 80W-90	1.0	--
260C, 260Z	1973-1978	HPR 30	4.0	Hypoid 80W-90	1.5/2.0	ATF DX-II	5.5	--	--	--	--	Hypoid 80W-90	1.0/1.3	Power Steering Fluid/ATF Top Up
280C, 330, 430	1978-1984	HPR 30	4.0	Manual Gear Oil 80	1.8	ATF DX-II	5.5	--	--	--	--	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up
280ZX 2+2, S130	1979-1984	HPR 30	4.0	Manual Gear Oil 80	2.0	ATF DX-II	5.5	--	--	--	--	Hypoid 80W-90	1.3/1.0	Power Steering Fluid/ATF Top Up
300C Y30 V6	1984-1987	HPR 30	3.6	--	--	ATF DX-II/ATF MHP	7.0	--	--	--	--	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
NISSAN (INCLUDING DATSUN) (Cont'd)														
300ZX, Z31 V6	1984-1985	HPR 30	3.6	Manual Gear Oil 80	1.9	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
300ZX, Z31 Turbo	1986-1990	HPR 15/SIN 10	3.7	Manual Gear Oil 80	1.9/2.4	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
300ZX, Z32	1990-1996	HPR 15/SIN 10	4.1	Manual Gear Oil 80	2.8	ATF DX-III/ATF MHP/SIN Auto	7.7	—	—	—	—	Hypoid 80W-90 (J1)	1.5	Power Steering Fluid/ATF Top Up
350Z	2003-2006	HPR 5/SIN 0	4.7	Transaxle 75	2.9	—	—	—	—	—	—	Hypoid 80W-90	1.4	Power Steering Fluid/ATF Top Up
620	1971-1979	HPR 30	3.0	Manual Gear Oil 80	1.7	—	—	—	—	—	—	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
720 Series L18	1980-1985	HPR 30	4.1	Manual Gear Oil 80	1.7/2.0	—	—	Manual Gear Oil 80	1.4	Hypoid 80W-90	—	Hypoid 80W-90 (J1)	1.3	—
720 Series SD22	1980-1983	HPR Diesel	5.0	Manual Gear Oil 80	1.7/2.0	—	—	Manual Gear Oil 80	1.4	Hypoid 80W-90	—	Hypoid 80W-90 (J1)	1.3	—
720 Series SD23/SD25	1983-1985	HPR Diesel	4.6/5.5	Manual Gear Oil 80	2.0	—	—	Manual Gear Oil 80	1.4	Hypoid 80W-90	—	Hypoid 80W-90 (J1)	1.3	—
720 Series Z22	1983-1985	HPR 30	3.8	Manual Gear Oil 80	1.7/2.0	—	—	Manual Gear Oil 80	1.4/1.7	Hypoid 80W-90	—	Hypoid 80W-90 (J1)	1.3	—
1000 B10, B20	1967-1970	HPR 30	2.5	Manual Gear Oil 80	0.8	ATF 33	5.5	—	—	—	—	Hypoid 80W-90	0.7	—
1200 B110, B120	1970-1974	HPR 30	2.7	Manual Gear Oil 80	1.2	ATF DX-II (F2)	5.5	—	—	—	—	Hypoid 80W-90	0.7/1.4	—
1600, 1600GL P510	1968-1972	HPR 30	4.0	Hypoid 80W-90	1.7	ATF 33	7.0	—	—	—	—	Hypoid 80W-90	0.8	—
2000 GTA, GTB	1967-1970	HPR 30	6.5	Hypoid 80W-90	1.4	—	—	—	—	—	—	Hypoid 80W-90 (J1)	1.7	—
2000 Sports SR311	1967-1971	HPR 30	7.2	Hypoid 80W-90	2.5	—	—	—	—	—	—	Hypoid 80W-90	0.8	—
2300, 2400 Six	1968-1971	HPR 30	4.1	Hypoid 80W-90	1.5	ATF 33	6.0	—	—	—	—	Hypoid 80W-90	0.9	—
Avenir Wagon	1989-1991	HPR Diesel	4.5	Manual Gear Oil 80	3.6	ATF DX-III/ATF MHP	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Bluebird	1993-1998	HPR 10	3.6	Manual Gear Oil 80	4.7	ATF DX-III/ATF MHP	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Bluebird 910	1981-1986	HPR 30	3.8	Manual Gear Oil 80	2.1	ATF DX-III/ATF MHP	7.3/5.5	—	—	—	—	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
Bluebird SSS Turbo 4WD 1.8L	1989-1991	HPR 10	3.8	Transaxle 75	4.7	ATF MHP/SIN Auto	6.8	Transaxle 75	1.6	Combined Transmission	—	Transaxle 75	1.8	ATF MHP/Power Steering Fluid
Bluebird U11 FWD 1.6L/2.0L	1984-1989	HPR 15	3.8	Transaxle 75	2.7/4.7	ATF DX-III	6.5	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid
Bluebird U11 Turbo	1985-1986	HPR 15	3.8	Transaxle 75	4.7	—	—	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid
Bluebird U12 2.0L	1989-1991	HPR 15	3.6	Transaxle 75	4.7	ATF MHP	6.8	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid
Bluebird U12 2.0L/2.4L	1991-1992	HPR 10	3.6	Transaxle 75	4.7	ATF MHP	6.8/7.4	—	—	—	—	Combined Transmission	—	ATF MHP/Power Steering Fluid
C20 and Vanette	1981-1986	HPR 30	2.7	Manual Gear Oil 80	0.9	—	—	—	—	—	—	Hypoid 80W-90	1.1	—
C22 Diesel	1990-1991	HPR Diesel	4.1	Manual Gear Oil 80	2.0	—	—	—	—	—	—	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
C22, Vanette, Nomad	1987-1993	HPR 30	3.7	Manual Gear Oil 80	2.0	ATF DX-III/ATF MHP	7.0	—	—	—	—	Hypoid 80W-90	1.1	Power Steering Fluid/ATF Top Up
Cabstar Civilian	1984-1991	HPR Diesel	7.5/9.5	Manual Gear Oil 80	2.6	—	—	—	—	—	—	Hypoid 80W-90	2.8	Power Steering Fluid/ATF Top Up
Cabstar F22	1982-1987	HPR 30	4.0	Manual Gear Oil 80	1.7	—	—	—	—	—	—	Hypoid 80W-90	2.0	—
Cabstar F22	1982-1987	HPR 30	4.0	Manual Gear Oil 80	1.7	—	—	—	—	—	—	Hypoid 80W-90	2.0	—
Cabstar F22, SD 25	1982-1987	HPR Diesel	5.5	Manual Gear Oil 80	2.7	—	—	—	—	—	—	Hypoid 80W-90	2.0	—
Cabstar H40	1982-1987	HPR 30	4.1	Manual Gear Oil 80	2.6	—	—	—	—	—	—	Hypoid 80W-90	2.8	—
Cabstar H40	1982-1987	HPR 30	4.1	Manual Gear Oil 80	2.6	—	—	—	—	—	—	Hypoid 80W-90	2.8	—
Cabstar H40, ED33, FD33T	1982-1987	HPR Diesel	8.0	Manual Gear Oil 80	6.3	—	—	—	—	—	—	Hypoid 80W-90	4.0	Power Steering Fluid/ATF Top Up
Civilian Bus	1991-2001	HPR Diesel 15	8.0	Manual Gear Oil 80	2.6	—	—	—	—	—	—	Hypoid 80W-90	2.8	Power Steering Fluid/ATF Top Up
Exa	1988-1991	HPR 15	3.8	Manual Gear Oil 80	4.7	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Exa N13	1987	HPR 30	3.8	Manual Gear Oil 80	2.7	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Gazelle	1984-1988	HPR 30	3.6	Manual Gear Oil 80	2.0	ATF DX-III/ATF MHP	7.0	—	—	—	—	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
Infiniti Q45	1993-1997	HPR 10	6.3	—	—	ATF DX-III/ATF MHP	10.5	—	—	—	—	Hypoid 80W-90	1.4	Power Steering Fluid/ATF Top Up
Maxima VQ 30	1990-1995	HPR 15	4.3	—	—	ATF DX-III/ATF MHP	7.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Maxima VQ 30	1995-2002	HPR 10	4.1	Transaxle 75	4.7	ATF DX-III/ATF MHP	9.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Maxima VQ 35	2003-2006	HPR 5	4.0	—	—	ATF MHP (Y2)	9.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Micra	1995-1997	HPR 10	3.1	Manual Gear Oil 80	2.9	ATF DX-III/ATF MHP	4.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Murano V6	2006-2007	HPR 5	4.0	—	—	(Y2)	—	Hypoid 80W-90 (E3)	—	Combined Transmission	—	Hypoid 80W-90 (E3)	—	ATF MHP/Power Steering Fluid/ATF Top Up
Navara 4x2	1992-1999	HPR 15	3.9	Manual Gear Oil 80	2.0	ATF MHP	7.0	—	—	—	—	Hypoid 80W-90	1.3	—
Navara 4x4 D21	1992-1997	HPR 15	3.3	Manual Gear Oil 80	4.0	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	2.8	Power Steering Fluid/ATF Top Up
Navara 4x4 D22 petrol	1997-2002	HPR 10	4.1	Manual Gear Oil 80	4.0	ATF MHP	8.1	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	2.8	Power Steering Fluid/ATF Top Up
Navara 4x4 Z24	1986-1992	HPR 30	3.8	Manual Gear Oil 80	4.0	ATF MHP	8.5	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	2.8	Power Steering Fluid/ATF Top Up
Navara D22, 4x4 diesel	1997-2005	HPR Diesel 15	7.9	Manual Gear Oil 80	3.9	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Limitslip 140	2.8	Power Steering Fluid/ATF Top Up
Navara D22, TD27 diesel	1997-2005	HPR Diesel 15	7.2	Manual Gear Oil 80	2.0	—	—	—	—	—	—	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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NISSAN (INCLUDING DATSUN) (Cont'd)

Navara D22 2D 30 diesel	2001-2006	HPR Diesel 15	6.7	Transaxle 75	—	ATF MHP	8.1	Transaxle 75	—	Transaxle 75	—	Limslip 140	—	Power Steering Fluid/ATF Top Up
Navara D40 2.5L diesel, auto	2006-2007	HPR 0 (H4)	6.4-7.5	—	—	ATF MHP	10.3	ATF MHP	3.0	Hypoid 80W-90	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Navara D40 2.5L diesel, manual	2006-2007	HPR Diesel 5	6.4-7.5	SIN Manual Trans	4.3	—	—	ATF MHP	3.0	Hypoid 80W-90	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Navara D40, 2.5L diesel (to September)	2006	HPR Diesel 5	6.4-7.5	SIN Manual Trans	4.3	—	—	ATF MHP	3.0	Hypoid 80W-90	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Navara D40, 4.0L petrol	2006-2007	HPR 5	4.8-5.1	SIN Manual Trans	4.3	—	—	ATF MHP	3.0	Hypoid 80W-90	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Navara SD25 diesel ind 4x4	1986-1988	HPR Diesel	6.7/5.0	Manual Gear Oil 80	2.0/4.0	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	1.3/2.8	Power Steering Fluid/ATF Top Up
Navara TD 25 diesel	1986-1992	HPR Diesel	5.3	Manual Gear Oil 80	2.0	—	—	—	—	—	—	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
Navara TD27 4x4 diesel	1988-1992	HPR Diesel	5.3	Manual Gear Oil 80	4.0	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	2.8	Power Steering Fluid/ATF Top Up
Navara TD27 4x4 diesel	1992-1997	HPR Diesel 15	6.0	Manual Gear Oil 80	4.0	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	2.8	Power Steering Fluid/ATF Top Up
Navara V6 4x2	1992-1997	HPR 15	3.4	Manual Gear Oil 80	3.6	ATF MHP	8.5	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
Navara Z20	1986-1992	HPR 30	3.3	Manual Gear Oil 80	1.7	ATF DX-III/ATF MHP	7.0	—	—	—	—	Hypoid 80W-90	1.3	—
Navara, Navara Nugget 4x2	1986-1996	HPR 30	3.8	Manual Gear Oil 80	1.7/2.0	ATF DX-III/ATF MHP	7.0	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
NX Coupe	1991-1996	HPR 15	3.4	Manual Gear Oil 80	3.6	ATF DX-III/ATF MHP	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pathfinder	1987-1992	HPR 30	3.8	Manual Gear Oil 80	3.6	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.3	Hypoid 80W-90 (J1)	2.8	Power Steering Fluid/ATF Top Up
Pathfinder R50	1995-1999	HPR 10	3.7	—	—	ATF DX-III/ATF MHP	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	2.0	Limslip 140	2.8	Power Steering Fluid/ATF Top Up
Pathfinder (R51) Series III 2.5L diesel, auto	2006-2007	HPR 0 (H4)	6.4-7.5	—	—	ATF MHP	10.3	ATF MHP	3.0	Hypoid 80W-90	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Pathfinder (R51) Series III 2.5L diesel, manual	2006-2007	HPR Diesel 15	7.6	Transaxle 75	4.3	—	—	ATF MHP	3.0	Transaxle 75	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Pathfinder (R51) Series III 4.0L petrol	2006-2007	HPR 5	5.1	—	—	ATF MHP	10.3	ATF MHP	3.0	Transaxle 75	0.9	SIN Gear Oil 75	1.8	PAS Fluid
Pathfinder V6	1992-1995	HPR 15	3.4	—	—	ATF DX-III/ATF MHP	8.5	Manual Gear Oil 80	2.2	Hypoid 80W-90	1.5	Limslip 140	2.8	Power Steering Fluid/ATF Top Up
Pathfinder Series II	1999-2005	HPR 10	3.7	—	—	ATF MHP	8.5	Manual Gear Oil 80	2.2	Hypoid 80W-90	2.1	Limslip 140	2.8	Power Steering Fluid/ATF Top Up
Patrol GQ RB30S petrol	1988-1997	HPR 30	6.4	Manual Gear Oil 80	3.9	ATF MHP	8.5/11.8	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	2.1	Power Steering Fluid/ATF Top Up
Patrol GQ RD28 diesel	1995-1997	HPR Diesel	6.4	Manual Gear Oil 80	3.6	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	2.1	Power Steering Fluid/ATF Top Up
Patrol GQ TB42 petrol	1988-1997	HPR 30	8.2	Manual Gear Oil 80	3.9	ATF MHP	8.5/11.8	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	2.1	Power Steering Fluid/ATF Top Up
Patrol GQ TD42 diesel	1988-1997	HPR Diesel	9.2	Manual Gear Oil 80	3.9	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	4.7/2.1	Power Steering Fluid/ATF Top Up
Patrol GU RD28 diesel	1997-2000	HPR Diesel 15	6.4	Manual Gear Oil 80	3.6	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	2.1	Power Steering Fluid/ATF Top Up
Patrol GU TB45 petrol	1997-2000	HPR 15	7.6	Manual Gear Oil 80	3.8	ATF MHP	11.8	Manual Gear Oil 80	1.9	Hypoid 80W-90	5.4	Limslip 140	4.7/2.1	Power Steering Fluid/ATF Top Up
Patrol GU TD42 diesel	1997-2000	HPR Diesel 15	10.5	Manual Gear Oil 80	3.6	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	4.7/2.1	Power Steering Fluid/ATF Top Up
Patrol GU II/III TB45 petrol, TB48 petrol	2000-2004	HPR 10	7.6	Manual Gear Oil 80	3.8	ATF MHP	12.0	Manual Gear Oil 80	1.9	Hypoid 80W-90	—	Limslip 140	—	Power Steering Fluid/ATF Top Up
Patrol GU II/III TD42 diesel	2000-2004	HPR Diesel 15	10.5	Manual Gear Oil 80	3.6	—	—	Manual Gear Oil 80	2.2	Hypoid 80W-90	5.4	Limslip 140	2.1	Power Steering Fluid/ATF Top Up
Patrol GU II/III ZD30 diesel	2000-2004	HPR Diesel 15	8.3	Manual Gear Oil 80	3.8	ATF MHP	12.0	Manual Gear Oil 80	1.9	Hypoid 80W-90	5.4	Limslip 140	4.7/2.1	Power Steering Fluid/ATF Top Up
Patrol GU-IV TB48 Petrol	2004-2007	HPR 10	6.8	Transaxle 75	—	ATF MHP	—	Manual Gear Oil 75	1.9	Hypoid 80W-90 (E3)	—	Limslip 140	—	ATF MHP/Power Steering Fluid/ATF Top Up
Patrol GU-IV TD30 diesel	2004-2007	HPR Diesel 15	8.2	Transaxle 75	—	ATF MHP	—	Manual Gear Oil 75	—	Hypoid 80W-90 (E3)	—	Limslip 140	—	ATF MHP/Power Steering Fluid/ATF Top Up
Patrol GU-IV TD42 diesel	2004-2007	HPR Diesel 15	10.5	Transaxle 75	3.5	—	—	Manual Gear Oil 75	1.9	Hypoid 80W-90 (E3)	—	Limslip 140	2.1/4.7	ATF MHP/Power Steering Fluid/ATF Top Up
Patrol MQ diesel	1980-1987	HPR Diesel	7.5	Manual Gear Oil 80	2.7	—	—	Manual Gear Oil 80	1.8	Hypoid 80W-90	1.5	Limslip 140	1.0 (04)	Power Steering Fluid/ATF Top Up
Patrol MQ petrol	1980-1987	HPR 30	4.8/3.9	Manual Gear Oil 80	2.7	ATF DX-III/ATF MHP	5.5	Manual Gear Oil 80	1.8	Hypoid 80W-90	1.5	Limslip 140	1.0 (04)	Power Steering Fluid/ATF Top Up
Pintara FWD	1986-1992	HPR 15	3.6	Manual Gear Oil 80	4.7	ATF DX-III/ATF MHP	6.8/7.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pintara RWD	1986-1990	HPR 15	3.4	Manual Gear Oil 80	2.0	ATF DX-III/ATF MHP	7.2	—	—	—	—	Hypoid 80W-90 (J1)	1.7	Power Steering Fluid/ATF Top Up
Prairie	1983-1985	HPR 30	3.4	Manual Gear Oil 80	2.7	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Primeria	1997-2001	HPR 5	3.0	Transaxle 75	3.8	ATF DX-III/ATF MHP	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N10	1980-1981	HPR 40	2.7	Manual Gear Oil 80	2.3	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N10, N12, 1.3L/1.5L/1.6L	1981-1987	HPR 30	2.9	Manual Gear Oil 80	2.3/2.7	ATF DX-III/ATF MHP/SIN Auto	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N12 EXA, ET Turbo	1983-1987	HPR 30	3.3	Manual Gear Oil 80	2.7	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N13	1987-1991	HPR 15	3.3	Manual Gear Oil 80	2.7	ATF DX-III/ATF MHP/SIN Auto	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N14 1.6L	1991-1995	HPR 10/SIN 10	3.2	Manual Gear Oil 80	2.9	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N14 2.0L	1991-1995	HPR 10/SIN 10	3.7	Manual Gear Oil 80	3.6	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N15 1.6L	1995-1999	HPR 10/SIN 10	3.2	Transaxle 75	2.9	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N15 2.0L	1995-1999	HPR 10/SIN 10	3.4	Transaxle 75	3.6	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N15 SSS	1995-2001	HPR 10/SIN 10	3.4	Transaxle 75	3.6	ATF DX-III/ATF MHP/SIN Auto	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Pulsar N16	2000-2005	HPR 10/SIN 5	2.7	Transaxle 75	3.0	ATF MHP/SIN Auto	7.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
NISSAN (INCLUDING DATSUN) (Cont'd)														
Serena	1992-1996	HPR 10	3.4	Manual Gear Oil 80	2.1	ATF DX-II/ATF MHP	7.7	--	--	--	--	Hypoid 80W-90	1.5	Power Steering Fluid/ATF Top Up
Skyline C210	1978-1981	HPR 30	5.0	Hypoid 80W-90	2.0	ATF DX-II/ATF MHP/SIN Auto	5.5	--	--	--	--	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
Skyline R30	1981-1985	HPR 40/SIN 25	4.5	Manual Gear Oil 80	2.0	ATF DX-II/ATF MHP/SIN Auto	5.5	--	--	--	--	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
Skyline R31	1986-1990	HPR 30/SIN 25	4.4	Manual Gear Oil 80	2.0	ATF DX-II/ATF MHP/SIN Auto	7.2	--	--	--	--	Limslip 90	1.7	Power Steering Fluid/ATF Top Up
Skyline R32 GFR	1991-1993	HPR 5/HPR 10/SIN 5	4.6	SIN Manual Trans	--	--	--	SIN Manual Trans	--	Hypoid 80W-90	--	Hypoid 80W-90	--	Power Steering Fluid/ATF Top Up
Skyline R32/R33	1994-1996	HPR 5/10/SIN 5	4.5	Transaxle 75	2.0	ATF DX-II/ATF MHP/SIN Auto	--	--	--	--	--	Limslip 90	1.0	Power Steering Fluid
Skyline R33 GFR 2.6L 4x4	1997-2000	HPR 10/SIN 5	4.5	Transaxle 75	4.1	--	--	ATF MHP	--	Limslip 90/Transaxle 75	--	Limslip 90	1.6	Power Steering Fluid/ATF Top Up
Skyline R34 GFR 2.6L	2000-2004	HPR 5/SIN 0	4.9	SIN Manual Trans	--	ATF MHP	--	ATF MHP	--	Limslip 90/Transaxle 75	--	Limslip 90	1.6	Power Steering Fluid/ATF Top Up
Stanza	1978-1983	HPR 40	3.8	Manual Gear Oil 80	1.7	ATF DX-II/ATF MHP	5.5	--	--	--	--	Hypoid 80W-90	0.8	Power Steering Fluid/ATF Top Up
Stanza/SSS, 5 Speed	1980-1983	HPR 40	3.8	Manual Gear Oil 80	2.0	ATF DX-II/ATF MHP	5.5	--	--	--	--	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
Sunny	1979-1981	HPR 40	2.7	Manual Gear Oil 80	1.3	ATF DX-II/ATF MHP	5.1	--	--	--	--	Hypoid 80W-90	0.9	Power Steering Fluid/ATF Top Up
Sylvia 1.8L/2.0L	1989-1996	HPR 10	4.4	Transaxle 75	2.0	ATF DX-II/ATF MHP	--	--	--	--	--	Limslip 90	1.8	Power Steering Fluid
Terrano II, 2.4L	1997-1999	HPR 10	4.3	Manual Gear Oil 80	3.5	--	--	Manual Gear Oil 80	2.3	Hypoid 80W-90	1.3	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
Terrano II, 2.7L turbo diesel	1997-1999	HPR Diesel 15	6.2	Manual Gear Oil 80	3.6	--	--	Manual Gear Oil 80	2.3	Hypoid 80W-90	1.3	Limslip 90	2.8	Power Steering Fluid/ATF Top Up
Tiida	2006-2007	HPR 5	3.9	Transaxle 75	--	ATF MHP	--	--	--	--	--	Combined Transmission	--	--
Urvan E23 H20	1981-1982	HPR 30	3.9	Manual Gear Oil 80	1.9	--	--	Manual Gear Oil 80	--	--	--	Hypoid 80W-90	1.3	--
Urvan E23 J16	1981-1982	HPR 30	3.7	Manual Gear Oil 80	1.7	--	--	--	--	--	--	Hypoid 80W-90	1.0	--
Urvan E23 SD22/SD23 diesel	1981-1986	HPR Diesel	5.4	Manual Gear Oil 80	1.7/2.1	--	--	--	--	--	--	Hypoid 80W-90	1.2/2.0	--
Urvan E23 SD27 diesel	1987-1992	HPR Diesel	5.2	Manual Gear Oil 80	2.0	ATF DX-II/ATF MHP	7.0	--	--	--	--	Hypoid 80W-90	2.8	--
Urvan E23 Z20	1982-1986	HPR 30	4.0	Manual Gear Oil 80	2.1	ATF DX-II/ATF MHP	5.5	--	--	--	--	Hypoid 80W-90	1.3/2.0	--
Urvan E23 Z24	1987-1993	HPR 30	5.0	Manual Gear Oil 80	2.0	ATF DX-II/ATF MHP	7.0	--	--	--	--	Hypoid 80W-90	2.8	--
Ute	1988-1992	HPR 30	4.5	Manual Gear Oil 80	1.9	ATF DX-II	3.5	--	--	--	--	Limslip 90	1.6	Power Steering Fluid
X-Trail	2001-2006	HPR 5	3.8	Manual Gear Oil 75	2.3	ATF MHP	8.7	Hypoid 80W-90	0.3	Combined with Transmission	--	Hypoid 80W-90	0.5	Power Steering Fluid/ATF Top Up

NOTES (E3) - May also use Transaxle 75, (F2) - 1970 1200 with 3N71A transmission, use ATF 33, (J1) - If limited slip differential fitted, use Limslip 90, (O4) - Salisbury/Banjo type uses 2.0L, (Y2) - CVT refer to dealer

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Ro-80 Rotary	1968-1972	Refer to handbook	2.2	Hypoid 80W-90	2.0	--	--	--	--	--	--	Combined Transmission	--	--
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OLDSMOBILE

Delta 88, 98	1969-1974	HPR 30	3.7	Hypoid 80W-90	1.6	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90 (J1)	--	--
F-85, Cutlass, Vista Cruiser	1968-1971	HPR 30	3.7	Hypoid 80W-90	--	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90 (J1)	--	--
F-85, Cutlass, Vista Cruiser	1972-1975	HPR 30	3.7	Hypoid 80W-90	1.6/1.0	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90 (J1)	2.0/2.5	--
Starfire	1975	HPR 30	3.7	Hypoid 80W-90	1.2	ATF DX-II	2.8	--	--	--	--	Hypoid 80W-90 (J1)	1.3	--
Toronado	1966-1975	HPR 30	4.7	--	--	ATF DX-II	3.7	--	--	--	--	Hypoid 80W-90	2.0	--

NOTES (J1) - IF LIMITED SLIP DIFFERENTIAL FITTED, USE LIMSLIP 90

PEUGEOT

205 Si	1987-1994	HPR 30	5.0	Transaxle 75	2.0	ATF DX-II	2.4	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
206/206CC	2002-2006	HPR 5	3.2/4.3	Transaxle 75	2.0	ATF BMW	--	--	--	--	--	--	--	Power Steering Fluid/ATF Top Up
207 1.4L/1.6L petrol	2007	HPR 5	2.5-3.0	SIN Manual Trans	2.0	--	--	--	--	--	--	Combined Transmission	--	Penrite SSF
207 1.4Hdi/1.6Hdi	2007	HPR 0 (H4)	3.5-3.8	SIN Manual Trans	1.9	--	--	--	--	--	--	Combined Transmission	--	Penrite SSF
306 Gti	1997-2000	HPR 10	4.8	Transaxle 75	2.1	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
306 HDi/XT HDi	2000-2003	HPR Diesel 5	4.2/4.5	Transaxle 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
306 N3/S16 1.8L/2.0L	1994-1999	HPR 10	4.8	Transaxle 75	2.0	ATF DX-II	2.4	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
306 N5	1997-2001	HPR 10	5.0	Transaxle 75	1.8	ATF DX-II	2.4	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
306 XRDT/XT	1999-2003	HPR Diesel 5	5.0	Transaxle 75	1.8	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
306 XTDT	1996-1997	HPR Diesel 15	4.3	Transaxle 75	2.0	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
307 HDi 2.0L diesel	2002-2005	HPR Diesel 5	4.5	Transaxle 75	1.9	--	--	--	--	--	--	Combined Transmission	--	Penrite SSF
307 1.6L petrol	2002-2006	HPR 10	3.3	Transaxle 75	2.0	ATF BMW	4.0	--	--	--	--	Combined Transmission	--	Penrite SSF

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
PEUGEOT (Cont'd)														
307, 2.0L petrol	2002-2006	HPR 10	4.3	Transaxle 75	1.9	ATF BMV	4.0	—	—	—	—	Combined Transmission	—	Penrite SSF
307 HDi 2.0L diesel	2006-2007	HPR 0 (H4)	4.5	Transaxle 75	1.9	ATF MHP	—	—	—	—	—	Combined Transmission	—	Penrite SSF
404 1 tonne	1971-1973	HPR 40	4.0	HPR 30	1.2	—	—	—	—	—	—	Hypoid 80W-90	1.4	—
404, 404 Utility	1962-1973	HPR 30	3.9	HPR 30	1.2	—	—	—	—	—	—	Mild EP Gear Oil	1.4	—
405	1989-1996	HPR 30	5.0	Transaxle 75	2.0	ATF DX-II	2.4	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
405 SRDT	1993-1998	HPR Diesel	5.0/5.5	Transaxle 75	2.0	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
406 Coupe, 406 Coupe D9	1997-2003	HPR 10	5.0/4.8	Transaxle 75	1.8	(R2)	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
406 ST 2.0L	1996-2004	HPR 10	4.3	Transaxle 75	2.0	(R2)	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
406 STDI, ST HDi D9	1997-2004	HPR Diesel 5	5.0/4.5	Transaxle 75	1.9	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
406 SV 3.0L, D9	1997-2004	HPR 10	5.0/4.8	Transaxle 75	2.0	(R2)	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
407 2.0L/2.9L	2004-2006	HPR 5	4.3/4.8	Transaxle 75	—	ATF MHP	—	—	—	—	—	Combined Transmission	—	Penrite SSF
407 2.0L HDi	2004-2006	HPR Diesel 5	5.3	Transaxle 75	—	ATF MHP	—	—	—	—	—	Combined Transmission	—	Penrite SSF
407 Coupe HDi 2.7L V6	2006-2007	HPR 0 (H4)	—	—	—	ATF MHP	—	—	—	—	—	—	—	Penrite SSF
504	1970-1984	HPR 30	4.0	Transaxle 75	1.1	ATF DX-II	5.2/6.2	—	—	—	—	Hypoid 80W-90 (E3)	1.2/1.5	—
504 GLD	1978-1982	HPR Diesel	5.0	Transaxle 75	1.1	ATF DX-II	5.2/6.2	—	—	—	—	Hypoid 80W-90 (E3)	1.5	—
505 Family Wagon	1990-1993	HPR 30	5.5	—	—	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid/ATF Top Up
505 GR/SR21.0L (carb)	1980-1985	HPR 30	4.0/4.5	Transaxle 75	1.1/1.6	ATF DX-II	5.2/6.2	—	—	—	—	Hypoid 80W-90 (E3)	1.5	—
505 Ti	1985-1990	HPR 30	5.5	Transaxle 75	1.6	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90 (J1,E3)	1.6	Power Steering Fluid/ATF Top Up
505 Sli	1986-1988	HPR 30	4.0	Transaxle 75	1.6	ATF DX-II	6.2	—	—	—	—	Hypoid 80W-90 (E3)	1.6	Power Steering Fluid/ATF Top Up
505 Sli	1983-1986	HPR 30	5.0	Transaxle 75	1.6	ATF DX-II	5.2	—	—	—	—	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
505, 505 SRDT/GTDD Diesel	1981-1989	HPR Diesel	5.0	Transaxle 75	1.6	ATF DX-II	5.2/6.2	—	—	—	—	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
604	1978-1982	HPR 30	6.0	—	—	ATF DX-II	5.8	—	—	—	—	Hypoid 80W-90	1.5	Power Steering Fluid/ATF Top Up
605	1994-1996	HPR 15	7.0	—	—	ATF DX-II	2.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
607	2002-2006	HPR 10	5.0	Transaxle 75	1.9	ATF MHP	8.0	—	—	—	—	Combined Transmission	—	Penrite SSF
1007	2005-2007	HPR 5	3.3	Transaxle 75	2.0	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid

NOTES (E3) - may also use Transaxle 75, (H4) - Sole recommendation for engine (J1) - If limited slip differential fitted, use Limslip 90, (R2) - ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW, 6 speed use ATF DX-VI, 7 speed autos refer to dealer

PEUGEOT-TALBOT														
Horizon, Horizon Auto	1978-1985	HPR 30	3.3	Manual Gear Oil 80	0.6	ATF DX-II	6.4	—	—	—	—	Hypoid 80W-90	0.5/1.1	—
Alpine, Salaria, Minx, Rapier	1979-1985	HPR 30	3.3	—	—	ATF DX-II	6.4	—	—	—	—	ATF DX-II	1.1	—
Samba	1982-1986	HPR 15	4.5/5.5	Combined with Crankcase	—	—	—	—	—	—	—	(X1)	—	—

NOTES (X1) - With automatic transmission, use ATF DX-II in differential

PONTIAC														
V8, Bonneville, Catalina, Grand Ville	1975-1977	HPR 40	4.7	—	—	ATF DX-II	—	—	—	—	—	Limslip 90	2.0/2.6	Power Steering Fluid/ATF Top Up
V8 Automatic	1978	HPR 40	2.8-4.7	—	—	ATF DX-II	2.8	—	—	—	—	Limslip 90	1.7/2.0	Power Steering Fluid/ATF Top Up
Firebird	1981-1983	HPR 40	3.8	—	—	ATF DX-II	—	—	—	—	—	Limslip 90	1.9/1.6	Power Steering Fluid/ATF Top Up
Le Mans	1988-1993	HPR 30	4.0	Manual Gear Oil 80	1.8	ATF DX-II	6.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up

PORSCHE														
911 (930) Turbo	1976-1985	HPR 30	10.0	Hypoid 80W-90	3.7	—	—	—	—	—	—	Combined Transmission	—	—
911 2.7L, Carrera 3.0L	1976-1977	HPR 40	13.0	Hypoid 80W-90	3.0	—	—	—	—	—	—	Combined Transmission	—	—
911 Carrera	1984-1989	HPR 15	10.0	Transaxle 75	3.0	—	—	—	—	—	—	Combined Transmission	—	—
911 Carrera 2, Carrera 4, Speedster	1989-1994	HPR 15	11.5	Transaxle 75	3.8	ATF DX-II	8.0	—	—	SIN Gear Oil 75	0.9	Transaxle 75	1.2	—
911 Carrera 4/4S, 3.6L	1994-1997	HPR 15	11.5	Transaxle 75	3.8	—	—	—	—	Combined Transmission	—	Transaxle 75	1.2	Power Steering Fluid/ATF Top Up
911 Carrera 4, Carrera 4S, 3.6L	2004-2006	HPR 5/SIN 0	8.3	Transaxle 75	—	ATF BMV (F4)	2.6	Transaxle 75	—	—	—	Combined Transmission	—	Penrite SSF
911 Carrera, Carrera S 3.6L	2004-2006	HPR 5/SIN 0	8.3	Transaxle 75	—	ATF BMV (F4)	2.6	—	—	—	—	Combined Transmission	—	Penrite SSF
911 GT2, GT3	2000-2005	HPR 5/SIN 0	8.8	Transaxle 75	3.8	ATF BMV	—	—	—	—	—	Combined Transmission	—	Penrite SSF
911 SC	1980-1983	HPR 40	10.0	Hypoid 80W-90	3.0	—	—	—	—	—	—	Combined Transmission	—	—

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS REA ALWAYS READ THE NOTES. RE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
PORSCHE (Cont'd)														
911 Series 2.0L, 2.2L	1965-1971	HPR 40	9.0	Hypoid 80W-90	2.5/2.3	--	--	--	--	--	--	Combined Transmission	--	--
911 Turbo 3.3L	1991-1993	HPR 15	10.0	Transaxle 75	3.8	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
911, 911 Carrera Turbo 3.6L	1993-1999	HPR 10/SIN 10	11.5	Transaxle 75	3.6	--	--	--	--	--	--	Combined Transmission	--	Penrite SSF
911, 911S and Carrera 2.7L, 911 SC	1978-1983	HPR 40	10.0	Hypoid 80W-90	3.0	--	--	--	--	--	--	Combined Transmission	--	--
911T, 911E, 911S 2.4L	1972-1974	HPR 40	9.0/12.5	Hypoid 80W-90	3.0	--	--	--	--	--	--	Combined Transmission	--	--
914, 914/6 4cylinder/6cylinder	1970-1973	HPR 40	3.1/9.1	Hypoid 80W-90	2.5	--	--	--	--	--	--	Combined Transmission	--	--
924	1977-1982	HPR 40	5.0	Manual Gear Oil 80	2.5	ATF DX-II	3.0	--	--	--	--	Hypoid 80W-90	1.0	Power Steering Fluid/ATF Top Up
924 Turbo	1980-1982	HPR 30	5.5	Manual Gear Oil 80	2.5	--	--	--	--	--	--	Combined Transmission	--	--
928	1978-1982	HPR 30	7.0/8.0	Transaxle 75	3.8	ATF DX-II	6.0	--	--	--	--	Hypoid 80W-90 (E3)	2.0	--
928 GT	1989-1991	HPR 15	7.5	Transaxle 75	3.8	--	--	--	--	--	--	Combined Transmission	--	--
928 GTS	1992-1995	HPR 15	7.5	Manual Gear Oil 80	4.7	ATF DX-II	7.6	--	--	--	--	Transaxle 75	1.9	--
928, 928S	1980-1985	HPR 30	7.0/8.0	Transaxle 75	3.8	ATF DX-II	6.0	--	--	--	--	Hypoid 80W-90 (E3)	2.0	--
928S, 5.0L	1986	HPR 30	7.5	Transaxle 75	4.5	ATF DX-II	6.0	--	--	--	--	Hypoid 80W-90 (E3)	2.0	Power Steering Fluid/ATF Top Up
928S4	1987-1991	HPR 15	7.5	Transaxle 75	3.8	ATF DX-II	6.0	--	--	--	--	Transaxle 75	2.0	Power Steering Fluid/ATF Top Up
944	1982-1989	HPR 15	6.5	Manual Gear Oil 80	2.6/2.0	ATF DX-II	6.0	--	--	--	--	Hypoid 80W-90	1.0	--
944S, 944 Turbo	1987-1991	HPR 15	6.5	Transaxle 75	2.0	--	--	--	--	--	--	Combined Transmission	--	--
944S2	1989-1992	HPR 15	7.0	Transaxle 75	2.0	--	--	--	--	--	--	Combined Transmission	--	--
968	1992-1995	HPR 15	7.0	Transaxle 75	3.5	ATF DX-II	2.8	--	--	--	--	Transaxle 75	0.6	--
Boxster 2.5L, 2.7L	1997-2006	SIN 0/HPR 0	8.3/8.7	SIN Gear Oil 75	2.2	ATF BMW	9.5	--	--	--	--	SIN Gear Oil 75	0.8	Penrite SSF
Boxster S 3.2L	1999-2006	SIN 0/HPR 0	8.3/8.7	SIN Gear Oil 75	2.8	ATF BMW	9.5	--	--	--	--	SIN Gear Oil 75	0.8	Penrite SSF
Carrera GT 5.7 V10	2004-2006	HPR 5/SIN 0	10.0	SIN Gear Oil 75	2.3	--	--	--	--	--	--	--	--	Penrite SSF
Cayman S	2006-2007	HPR 5/HPR 0/SIN 0	7.8	Transaxle 75	2.8	ATF BMW (F4)	--	--	--	--	--	Refer to Dealer	--	Penrite SSF
Cayenne	2003-2006	SIN 0/HPR 0	8.5	(B4)	9.0	--	--	ATF BMW	0.9	Refer to Dealer	--	Refer to Dealer	--	Penrite SSF

NOTES (B4) - Tiptronic transmission use ATF MHP, (E3) - May also use Transaxle 75, (F4) - Tiptronic transmission, (R2) - ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer.

PROTON

Gen 2	2006-2007	HPR 10	4.1	Manual Gear Oil 80	2.1	ATF MHP	7.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Jumbuck	2002-2006	HPR 10	3.3	Manual Gear Oil 80	1.8	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Satria GTi 1.8L	1999-2006	HPR 10	3.8	Transaxle 75	1.8	--	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid
Savvy	2006-2007	HPR 10	3.8	Transaxle 75	3.5	(S4, T3)	--	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up
Wira, Persona, Satria 1.5L	1995-2004	HPR 10	3.3	Transaxle 75	1.8	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Wira, Persona, Satria, M21 1.6L	1997-2005	HPR 10	3.8	Transaxle 75	1.8	ATF MHP	6.0	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP
Waja	2001-2005	HPR 10	3.8	Transaxle 75	2.1	ATF MHP	7.7	--	--	--	--	Combined Transmission	--	Power Steering Fluid/ATF Top Up/ATF MHP

NOTES (S4) - Automated manual hydraulic circuit use ATF Synthetic 0.6L (T3) - Automated Manual

RANGE ROVER

2.4L turbo diesel	1988-1989	HPR Diesel	5.7	Manual Gear Oil 80	2.6	--	--	Hypoid 80W-90	2.8	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
2.4L turbo diesel	1989-1990	HPR Diesel	7.8	Manual Gear Oil 80	2.6	--	--	Manual Gear Oil 80	2.1	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
3.5L petrol	1986	HPR 30	5.1	Manual Gear Oil 80	2.6	ATF DX-II	9.1	Manual Gear Oil 80	2.8	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
3.5L petrol	1974-1984	HPR 40	5.1	HPR 30	2.6	ATF 33	8.5	HPR 30	2.9	Mild EP Gear Oil	1.7	Mild EP Gear Oil	1.7	Power Steering Fluid/ATF Top Up
3.5L petrol	1984-1985	HPR 30	5.1	Manual Gear Oil 80	2.2	ATF DX-II	8.5	Manual Gear Oil 80	2.8	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
3.5L petrol	1987-1989	HPR 30	5.6	Manual Gear Oil 80	2.6	ATF DX-II	9.1	Manual Gear Oil 80	2.8/2.1	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
3.9L petrol	1990-1995	HPR 15	5.5	Manual Gear Oil 80	2.6	ATF DX-II	9.1	Manual Gear Oil 80	2.1/1.7	Hypoid 80W-90	1.7	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
4.0L/4.6L petrol (LD)	1995-2002	HPR 10	6.6	Manual Gear Oil 80	2.3	ATF DX-II	9.7/11.0	Manual Gear Oil 75	2.3	SIN Gear Oil 75	1.7	SIN Gear Oil 75	1.7	Power Steering Fluid/ATF Top Up
LM 4.4L Vogue, Sport petrol	2002-2005	HPR 5	8.5	--	--	(R2)	5.3/9.9	Manual Gear Oil 75	--	Transaxle 75	--	Transaxle 75	0.8/1.2	Penrite SSF
LM 4.4L V8 petrol	2006-2007	HPR 5	8.5	--	--	(R2)	5.3/6.0	Manual Gear Oil 75	--	SIN Gear Oil 75	0.8	SIN Gear Oil 75	1.0	PAS Fluid (X3)
LM Td6 3.0L	2006-2007	HPR 0 (H4)	8.8	--	--	(R2)	5.3/6.0	Manual Gear Oil 75	--	SIN Gear Oil 75	0.8	SIN Gear Oil 75	1.0	PAS Fluid (X3)
LM Td6 Vogue, Sport diesel	2002-2004	HPR Diesel 5	8.8	--	--	(R2)	5.3/9.9	Manual Gear Oil 75	--	Transaxle 75	0.8/1.2	Transaxle 75	0.8/1.2	Penrite SSF
Sport 2.7L TdV6	2006-2007	HPR 0 (H4)	6.6	--	--	(R2)	5.3/6.0	Manual Gear Oil 75	--	SIN Gear Oil 75	0.8	SIN Gear Oil 75	1.0	PAS Fluid (X3)

NOTES (H4) - Sole recommendation for engine, (R2) - ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer, (X3) - Ace System use Penrite PAS Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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RAMBLER

Matador, Javelin 401	1971-1978	HPR 40	3.7	–	–	ATF DX-II	9.0	–	–	–	–	Hypoid 80W-90 (J1)	–	–
Rebel, Javelin, AMX, Hornet	1967-1976	HPR 40	3.7	–	–	ATF DX-II	(G2)	–	–	–	–	Limslip 90	–	–

NOTES (G2) - Shift Command transmission initial refill 3.0L, then top up to L mark. BW, 7.0L dry fill, Torque-Command 3.8L initial refill, (J1) - If limited slip differential fitted, use Limslip 90

RENAULT

12 Series, Virage	1976-1980	HPR 30	3.0	Transaxle 75	2.0	ATF DX-II	2.5	–	–	–	–	Combined Transmission	–	–
12L, 12TL, R12GL, 12XL	1970-1976	HPR 30	3.0	Transaxle 75	1.6/2.0	ATF DX-II	2.5	–	–	–	–	Combined Transmission	–	–
15TS, 17TL, 17TS, 17 Gordini	1973-1976	HPR 30	4.0	Transaxle 75	2.0	ATF DX-II	3.0	–	–	–	–	Combined Transmission	–	–
16, 16TL, 16TS	1968-1977	HPR 30	4.0	Manual Gear Oil 80	1.6	ATF DX-II	3.0	–	–	–	–	Combined Transmission	–	–
18 GTS	1980-1984	HPR 30	4.0	Transaxle 75	2.0	ATF DX-II	2.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
19 Series III	1995-1996	HPR 10	5.5	Transaxle 75	3.4	–	–	–	–	–	–	Transaxle 75	1.0	Power Steering Fluid/ATF Top Up
19 TXE/RT/RT Plus, Baccara	1991-1995	HPR 15	5.2	–	–	ATF DX-II	3.5	–	–	–	–	Refer to Dealer	–	Power Steering Fluid/ATF Top Up
20TS	1978-1984	HPR 30	5.0	Transaxle 75	2.0	ATF DX-III	3.0	–	–	–	–	Hypoid 80W-90	1.6	Power Steering Fluid/ATF Top Up
21 TXE	1986-1989	HPR 15	5.3	Transaxle 75	3.4	ATF DX-II	2.5	–	–	–	–	Transaxle 80	1.6	Power Steering Fluid/ATF Top Up
25 Monaco/Baccara	1990-1991	HPR 10	6.5	Transaxle 75	3.0	ATF DX-III	4.0	–	–	–	–	Refer to Dealer	0.8	Power Steering Fluid/ATF Top Up
Caravelle 1100, R10, R10S	1964-1971	HPR 30	2.5	Manual Gear Oil 80	2.0	–	–	–	–	–	–	Combined Transmission	–	–
Clio	1995-1997	HPR 10	3.7	Transaxle 75	3.4	ATF DX-II	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio II 2.0L / Clio RS	2000-2005	HPR 5	4.8/4.5	Transaxle 75	3.1	ATF Synthetic	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio II 3.0L V6	2000-2005	HPR 5	4.9	Transaxle 75	–	–	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio III 1.4L	2006-2007	HPR 5	5.0	Transaxle 75	2.8	–	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio III 1.5L CDI Diesel	2006-2007	HPR 0 (H4)	4.5	Transaxle 75	2.5/3.8	–	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio III 1.6L	2006-2007	HPR 5	5.0	Transaxle 75	2.8	ATF Synthetic	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio III 2.0L (M4R)	2006-2007	HPR 5	3.5	Transaxle 75	2.4	–	–	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio RTX 1.7L	1999-2002	HPR 10	3.7	Transaxle 75	–	ATF Synthetic	3.5	–	–	–	–	Combined Transmission	–	ATF Synthetic
Clio RXE, 1.4L	1999-2002	HPR 10	2.9	Transaxle 75	3.4	ATF DX-II/BMV	2.0/3.5	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Clio Williams	1993-2000	HPR 10	5.1	Transaxle 75	3.1	–	–	–	–	–	–	Combined Transmission	–	PAS Fluid
Fuego GTX, TX	1982-1987	HPR 30	4.0/5.0	Transaxle 75	2.0	ATF DX-II	5.0/6.0	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Kangoo 1.6L	2003-2006	HPR 5	4.2	Transaxle 75	3.4	(R2)	–	–	–	–	–	–	–	Power Steering Fluid/ATF Top Up
Laguna 2.0L, 3.0L	1995-2000	HPR 10	5.2/6.7	Manual Gear Oil 75	3.1	ATF BMV	4.0	–	–	–	–	Transaxle 75	1.0/1.5	Power Steering Fluid/ATF Top Up
Laguna II 2.0L, 3.0L	2001-2006	HPR 10	5.2/4.6	Transaxle 75	–	ATF BMV	3.5/8.0	–	–	–	–	Combined Transmission	–	ATF BMV
Laguna III	2006-2007	HPR 5	–	Refer to Dealer	–	Refer to Dealer	–	–	–	–	–	Combined Transmission	–	Refer to Dealer
Laguna III dG 2.2L diesel	2006-2007	HPR 0 (H4)	–	Refer to Dealer	–	Refer to Dealer	–	–	–	–	–	Combined Transmission	–	Refer to Dealer
Megane 1.6L	2000-2003	HPR 10	4.5	Transaxle 75	3.4	ATF Synthetic	3.5	–	–	–	–	Transaxle 75	–	ATF Synthetic
Megane 1.8L/2.0L	2003-2006	HPR 5	5.3	Transaxle 75	–	ATF BMV	–	–	–	–	–	Combined Transmission	–	ATF Top Up/ATF BMV
Megane II 2.0L Turbo	2004-2006	HPR 5	5.4	Transaxle 75	2.1	–	–	–	–	–	–	Combined Transmission	–	Refer to Dealer
Megane Coupe-Cabriolet (CC)	2004-2006	HPR 5	5.4/5.0	Transaxle 75	–	ATF BMV	–	–	–	–	–	Combined Transmission	–	ATF Top Up
Megane Renaultsport 225	2004-2006	HPR 5	5.4	Transaxle 75	2.1	–	–	–	–	–	–	Combined Transmission	–	Refer to Dealer
Master	2006-2007	HPR 5	–	Refer to Dealer	–	Refer to Dealer	–	–	–	–	–	Combined Transmission	–	Refer to Dealer
R21 Marsielle	1990-1991	HPR 15	6.2	Transaxle 75	2.2	ATF DX-III	4.0	–	–	–	–	Refer to Dealer	–	Power Steering Fluid/ATF Top Up
R25 GTX	1985-1989	HPR 15	5.0	Transaxle 75	3.4	ATF DX-III	2.5	–	–	–	–	Transaxle 75	1.6	Power Steering Fluid/ATF Top Up
Scenic RX4	1998-2003	HPR 10	4.5	Transaxle 75	3.4	(R2)	3.5	–	–	–	–	Combined Transmission	–	ATF Synthetic
Scenic RXE, Scenic	1998-2005	HPR 10	4.5	Transaxle 75	3.4	ATF BMV	3.5	–	–	–	–	Combined Transmission	–	ATF BMV
Scenic II 2.0L	2003-2006	HPR 5	5.4	Transaxle 75	2.1	ATF BMV	3.0	–	–	–	–	Combined Transmission	–	Power Steering Fluid/ATF Top Up
Trafic	2006-2007	HPR 0 (H4)	–	Refer to Dealer	–	Refer to Dealer	–	–	–	–	–	Combined Transmission	–	Refer to Dealer
Trafic 2.2L/2.7L	2003-2005	HPR Diesel 5	8.0	Transaxle 75	2.7	–	–	–	–	–	–	–	–	Power Steering Fluid/ATF Top Up

NOTES (H4) - Sole recommendation for engine (R2) - ZF 4HP and 5HP autos specifying I771141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer.

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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ROLLS ROYCE

Phantom	2006-2007	HPR 5	–	–	–	ATF DX-VI	–	–	–	–	–	Refer to Dealer	–	Refer to Dealer
Silver Shadow, Wraith I, II	1968-1981	HPR 40	8.4	–	–	ATF DX-II	4.5	–	–	–	–	Hypoid 80W-90	2.5	(X2, P3)
Silver Spirit, Silver Spirit II, Silver Spur, Silver Spur II	1980-	HPR 30	9.4/9.9	–	–	ATF DX-II	10.6	–	–	–	–	Hypoid 80W-90	2.6	Power Steering Fluid/ATF Top Up (G4, P3, X2)

NOTES (G4) - Power operated hood reservoir (if fitted) use PAS Fluid., (P3) - Steering rack use Hypoid 80W-90, (X2) - Suspension system, plastic reservoir use LHM Plus, metal reservoir use Brake Fluid 5.25 plus 2% natural castor oil (RR363)

ROVER

3.5L V8 Automatic	1968-1972	HPR 40	4.5	–	–	ATF 33	7.5	–	–	–	–	Hypoid 80W-90	1.7	–
75	2000-2004	HPR 5	5.8	–	–	ATF MHP	4.5	–	–	–	–	–	–	PAS Fluid
75 2.0L Diesel	1999-2004	HPR Diesel 5	6.3	Manual Gear Oil 75	2.6	ATF MHP	4.5	–	–	–	–	Combined Transmission	–	PAS Fluid
416i, 416i SE, 416i Vitesse	1986-1990	HPR 30	3.5	Manual Gear Oil 75	2.3	ATF Synthetic	2.4	–	–	–	–	Combined Transmission	–	HPSO
825 Si	1987-1988	HPR 30	4.5	Manual Gear Oil 75	2.2	ATF Synthetic	3.2	–	–	–	–	Combined Transmission	–	HPSO
827	1988-1992	HPR 15	4.5	Manual Gear Oil 75	2.3	ATF Synthetic	3.2	–	–	–	–	Combined Transmission	–	HPSO
2000SC, 2000TC	1965-1973	HPR 40	4.5/5.1	Small Engine Mono SAE 30	1.0	ATF 33	6.8	–	–	–	–	Hypoid 80W-90	1.4	–
3500 SD1	1979-1981	HPR 40	4.7	Manual Gear Oil 80	1.5	ATF 33	7.9/7.0	–	–	–	–	Hypoid 80W-90	0.9	Power Steering Fluid/ATF Top Up
3500 SD1, SE, Vanden Plas	1981-1983	HPR 40	4.8	Manual Gear Oil 80	1.5	ATF 33	2.3	–	–	–	–	Hypoid 80W-90	0.9	Power Steering Fluid/ATF Top Up
3500 V8, 3500S	1969-1979	HPR 40	4.5	Manual Gear Oil 80	1.8	ATF 33	7.9/7.0	–	–	–	–	Hypoid 80W-90	1.3	Power Steering Fluid/ATF Top Up
Quintet	1983-1985	HPR 30	3.5	Manual Gear Oil 75	2.4	ATF DX-II	2.5	–	–	–	–	Combined Transmission	–	HPSO

SAAB

99	1971-1979	HPR 30	3.5	Transaxle 75	3.0	ATF 33	2.5/3.0	–	–	–	–	Transaxle 80	0.8/1.3	–
900	1979-1986	HPR 40	3.5/3.8	Manual Gear Oil 80	2.5/3.0	ATF 33	2.5/3.0	–	–	–	–	Manual Gear Oil 80	1.3	Penrite SSF
900	1986-1993	HPR 30	3.8/4.0	Manual Gear Oil 75	3.0	ATF 33	2.5/3.0	–	–	–	–	Manual Gear Oil 75	1.4	Penrite SSF
900	1994-1998	HPR 15	5.0	Manual Gear Oil 75	1.8	ATF DX-II	3.2	–	–	–	–	Combined Transmission	–	Penrite SSF
9000	1986-1991	HPR 15	4.0/4.3	Manual Gear Oil 75	2.5	ATF 33	8.2/8.7	–	–	–	–	Combined Transmission	–	Penrite SSF
900 Turbo	1994-1998	HPR 15	5.4	Manual Gear Oil 75	1.8	ATF DX-II	3.2	–	–	–	–	Combined Transmission	–	Penrite SSF
900 V6	1994-1998	HPR 15	4.5	Manual Gear Oil 75	1.8	ATF DX-II	3.2	–	–	–	–	Combined Transmission	–	Penrite SSF
9000 2.3L	1992-1998	HPR 10	4.0/5.0	Manual Gear Oil 75	2.5	ATF DX-II	3.3	–	–	–	–	Combined Transmission	–	Penrite SSF
9000 3.0L	1995-1998	HPR 10	4.5	Manual Gear Oil 75	2.5	ATF DX-II	3.3	–	–	–	–	Combined Transmission	–	Penrite SSF
9-3 Series	1998-2006	HPR 5	4.0/6.0	SIN Gear Oil 75	1.8	ATF MHP	3.2	–	–	–	–	Combined Transmission	–	Penrite SSF
9-3 1.8i Sportwagen	2006-2007	HPR 5	4.3	Manual Gear Oil 75	1.8/3.0	–	–	–	–	–	–	Combined Transmission	–	Penrite SSF
9-3 1.8i Ecopower	2006-2007	HPR 5	4.3	Manual Gear Oil 75	1.8/3.0	ATF MHP	7.0	–	–	–	–	Combined Transmission	–	Penrite SSF
9-3 2.0i Ecopower, Aero	2006-2007	HPR 5	6.0	Manual Gear Oil 75	1.8/3.0	ATF MHP	7.0	–	–	–	–	Combined Transmission	–	Penrite SSF
9-3 2.8L V6 Ecopower, Aero	2006-2007	HPR 5	5.7	Manual Gear Oil 75	1.8/3.0	ATF MHP	7.0	–	–	–	–	Combined Transmission	–	Penrite SSF
9-3 and 9-5 1.9 TiD	2007	HPR 0 (H4)	4.3	Manual Gear Oil 75	1.8/3.0	ATF MHP	7.0	–	–	–	–	Combined Transmission	–	Penrite SSF
9-5 Series	1998-2006	HPR 5	4.0	SIN Gear Oil 75	1.8	ATF MHP	3.2	–	–	–	–	Combined Transmission	–	Penrite SSF
9-5 Griffin	1999-2004	HPR 5	4.5	SIN Gear Oil 75	2.0	ATF MHP	3.2	–	–	–	–	Combined Transmission	–	Penrite SSF
9-5 2.3L Aero Turbo	2006-2007	HPR 5	4.0	Manual Gear Oil 75	1.5	ATF MHP	7.0	–	–	–	–	Combined Transmission	–	Penrite SSF
9-5V4, 96V4, MCV4	1966-1971	HPR 30	3.3	Transaxle 75	1.4/1.7	–	–	–	–	–	–	Combined Transmission	–	–
9-7X 4.2L/5.3L	2006-2007	SIN 0	6.6/5.7	–	–	ATF DX-VI	4.7	Refer to Dealer	–	Refer to Dealer	–	SIN Gear Oil 75	–	PAS Fluid

SEAT

Ibiza, Cordoba, Toledo	1995-1997	HPR 10	4.0	Manual Gear Oil 80	2.0	ATF DX-II	3.0	–	–	–	–	SIN Gear Oil 75	0.8	Penrite SSF
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SKODA

S100L, S110L, S110LS, S110R	1970-1978	HPR 30	2.5/3.0	Hypoid 80W-90	2.0	–	–	–	–	–	–	Combined Transmission	–	–
120L	1970-1984	HPR 30	3.8	Hypoid 80W-90	2.0	–	–	–	–	–	–	Combined Transmission	–	–

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

41

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
SMART														
For Four Pulse 1.3L/1.5L	2003-2006	HPR 5/HPR 0	4.5	Transaxle 75	1.7	Manual Gear Oil 75 (U3)	-	-	-	-	-	Combined Transmission	-	-
For Two 0.7L Turbo	2003-2006	HPR 5/HPR 0	3.1	Manual Gear Oil 75 (U3)	1.4	-	-	-	-	-	-	Combined Transmission	-	-
Roadster (including Brabus)	2003-2006	HPR 5/HPR 0	3.1	Manual Gear Oil 75	1.4	-	-	-	-	-	-	Combined Transmission	-	-

NOTES (U3) – Sequential gearbox.

SSANGYONG

Chairman	2006-2007	HPR 10	7.0	-	-	ATF BMW	8.0	-	-	-	-	SIN Gear Oil 75	-	Penrite SSF
Korando - diesel	2004-2006	HPR Diesel 5	7.5-9.5	Manual Gear Oil 75	3.6	ATF 95LE	9.5	Manual Gear Oil 75	1.3	Hypoid 80W-90 (E3)	1.1	Hypoid 80W-90 (E3), (J1)	1.9	ATF MHP/Power Steering Fluid/ATF Top Up
Korando - petrol	2004-2006	SIN 0	6.0-7.5	Manual Gear Oil 75	3.6	ATF 95LE	9.5	Manual Gear Oil 75	1.3	Hypoid 80W-90 (E3)	1.1	Hypoid 80W-90 (E3), (J1)	1.9	ATF MHP/Power Steering Fluid/ATF Top Up
Kyron 2.0L XDi 2.7L XDi	2006-2007	HPR Diesel 5	-	Transaxle 75	-	ATF BMW	-	Refer to Dealer	-	Refer to Dealer	-	Refer to Dealer	-	Penrite SSF
Kyron 3.2L	2006-2007	HPR 5	-	Transaxle 75	-	ATF BMW	-	Refer to Dealer	-	Refer to Dealer	-	Refer to Dealer	-	Penrite SSF
Musso, Korando - petrol	1996-2002	HPR 15	8.3	Manual Gear Oil 75	3.4	ATF 95LE	10	Manual Gear Oil 75	-	Hypoid 80W-90 (E3)	1.3	Hypoid 80W-90 (E3), (J1)	1.4	Power Steering Fluid/ATF Top Up/ATF 95 LE
Musso, Korando - petrol	2001-2002	HPR 10	8.3	Manual Gear Oil 75	3.4	ATF 95LE	10	Manual Gear Oil 75	-	Hypoid 80W-90 (E3)	1.3	Hypoid 80W-90 (E3), (J1)	1.4	Power Steering Fluid/ATF Top Up/ATF 95 LE
Musso, Musso Sports (290S) - diesel	1996-2006	HPR Diesel 15	10.0	Manual Gear Oil 75	3.4	ATF 95LE	10	Manual Gear Oil 75	-	Hypoid 80W-90 (E3)	1.3	Hypoid 80W-90 (E3), (J1)	1.4	Power Steering Fluid/ATF Top Up/ATF 95 LE
Rexton - diesel (RX270/RX290)	2003-2006	HPR Diesel 5	6.8-8.3	Manual Gear Oil 75	3.5	(T2)	9.5	Manual Gear Oil 75	1.4	Hypoid 80W-90 (E3)	1.4	Hypoid 80W-90 (E3)	1.9/2.2	Power Steering Fluid/ATF Top Up/ATF 95 LE
Rexton - petrol (RX320)	2003-2006	HPR 10	7.0-9.0	Manual Gear Oil 75	3.4	(T2)	9.5	Manual Gear Oil 75	1.2-1.5	Hypoid 80W-90 (E3)	1.4	Hypoid 80W-90 (E3)	1.9/2.2	Power Steering Fluid/ATF Top Up/ATF 95 LE
Radius 270 Xdi	2006-2007	HPR Diesel 5	6.8-8.3	Manual Gear Oil 75	3.4/3.6	ATF BMW	9.5	Manual Gear Oil 75	1.5	Hypoid 80W-90	1.5	Hypoid 80W-90	2.0	Power Steering Fluid/ATF Top Up
Stavic, diesel (incl 4x4)	2004-2006	HPR Diesel 5	-	Manual Gear Oil 75	3.5	ATF BMW	8.0	Manual Gear Oil 75	1.4	Hypoid 80W-90	1.4	Hypoid 80W-90	1.7	Power Steering Fluid/ATF Top Up
Stavic, petrol	2004-2006	HPR 10	-	Manual Gear Oil 75	-	ATF BMW	8.0	Manual Gear Oil 75	1.4	Hypoid 80W-90	1.4	Hypoid 80W-90	1.4	Power Steering Fluid/ATF Top Up

NOTES (E3) – May also use Transaxle 75, (J1) – If limited slip differential fitted use Limslip 90 (T2) – 4 speed auto use ATF 95LE, 5 speed auto (LT71 141) use ATF BMW.

SUBARU

1100 FF-1	1969-1972	HPR 30	2.7	Transaxle 75	2.5	-	-	-	-	-	-	Combined Transmission	-	-
1400/DL	1972-1974	HPR 30	3.0	Transaxle 75	2.5	ATF DX-II	6.0	-	-	-	-	Combined Transmission	-	-
Brumby	1978-1980	HPR 30	3.4	Transaxle 75	3.0	-	-	-	-	-	-	Transaxle 75	0.8	-
Brumby	1981-1992	HPR 30	4.0	Transaxle 75	3.0	-	-	-	-	Combined transmission	-	Transaxle 75	0.8	Power Steering Fluid/ATF Top Up
DL, GL	1985-1994	HPR 15	4.0	Transaxle 75	3.3	ATF DX-II	3.0	-	-	Transaxle 75	1.2	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
DL, GL Sedans, 1.4L/1.6L/1.8L 2WD	1975-1985	HPR 30	3.3/3.7/4.0	Transaxle 75	2.6	ATF DX-II	3.0	-	-	-	-	Transaxle 80	1.2	Power Steering Fluid/ATF Top Up
DL, GL Series, 1.4L/1.6L/1.8L 4WD	1975-1985	HPR 30	3.3/3.7/4.0	Transaxle 75	2.5/3.3	ATF DX-II	3.0	-	-	Limslip 90	0.8	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Domingo 4x4	1988-1992	HPR 30	3.0	Transaxle 75	2.1	-	-	-	-	Combined transmission	-	Transaxle 75	0.8	-
Domingo GS	1984-1992	HPR 30	3.0	Transaxle 75	1.9	-	-	-	-	Combined transmission	-	-	-	-
Fiori	1989-1992	HPR 30	2.7	Transaxle 75	1.8/2.3	-	-	-	-	-	-	Combined with transmission	-	-
Forester	1997-2006	HPR 10	4.0	Transaxle 75	4.0	ATF DX-II/MHP	7.9	-	-	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Forester GT	1998-2006	HPR 5	4.5	Transaxle 75	4.0	ATF DX-II/MHP	7.9	-	-	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Impreza 1.6L/1.8L	1993-2003	HPR 10/SIN 5	4.0	Transaxle 75	2.6	ATF DX-II	7.9	-	-	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Impreza 2.0L/2.5L	1997-2005	HPR 5/SIN 0	4.0	Transaxle 75	3.3	ATF DX-II/MHP/SIN Auto	7.9	-	-	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Impreza WRX	1994-1999	HPR 10/SIN 0	4.5	SIN Gear Oil 75	3.5	ATF MHP/SIN Auto	9.5	-	-	SIN Gear Oil 75	1.2	SIN Gear Oil 75	0.8	ATF Synthetic/PAS Fluid
Impreza WRX	2000-2006	HPR 5/SIN 0	4.5	SIN Gear Oil 75	3.5	ATF MHP/SIN Auto	9.5	-	-	SIN Gear Oil 75	1.2	SIN Gear Oil 75	0.8	ATF Synthetic/PAS Fluid
Impreza WRX Sti	2003-2006	HPR 5/SIN 0	4.5	SIN Gear Oil 75	4.1	-	-	-	-	SIN Gear Oil 75	-	SIN Gear Oil 75	-	ATF Synthetic/PAS Fluid
Leone 4GTLA	1987-1988	HPR 15	4.0	-	-	ATF DX-II	3.0	-	-	Transaxle 75	1.2	-	-	Power Steering Fluid/ATF Top Up
Leone including Turbo	1986-1990	HPR 15	4.0	Transaxle 75	2.6	ATF DX-II	3.0	-	-	Transaxle 75	1.2	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Leone Royale	1988-1990	HPR 15	4.0	Transaxle 75	2.6	ATF DX-II	2.5	-	-	-	-	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Liberty 2.0L (Including 6T Turbo)	1998-2006	HPR 5/SIN 0	4.0	Transaxle 75 (Z1)	4.0	ATF DX-II/SIN Auto	8.4	-	-	Transaxle 75 (Z1)	1.2	Limslip 90 (Z1)	0.8	Power Steering Fluid/ATF Top Up
Liberty 2.5L	1996-1998	HPR 10	4.5	Transaxle 75	3.5	ATF DX-II	9.5	-	-	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Liberty 2.5L	1998-2006	HPR 5/SIN 0	4.0	Transaxle 75 (Z1)	4.0	ATF DX-II/SIN Auto	9.5	-	-	Transaxle 75 (Z1)	1.2	Limslip 90 (Z1)	0.8	Power Steering Fluid/ATF Top Up
Liberty 3.0R	2003-2006	HPR 5/SIN 0	5.5	SIN Gear Oil 75	4.1	ATF MHP/SIN Auto	9.8	-	-	SIN Gear Oil 75	1.4	SIN Gear Oil 75	1.4	Power Steering Fluid/ATF Top Up
Liberty 2WD	1989-1996	HPR 15	4.5	Transaxle 75	3.3	ATF DX-II	2.5	-	-	-	-	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Liberty 2WD	1997-1998	HPR 10	4.0	Transaxle 75	3.3	ATF DX-II	7.9	-	-	-	-	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Liberty 4WD	1989-1996	HPR 15	4.5	Transaxle 75	3.5	ATF DX-II	2.5	-	-	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
SUBARU (Cont'd)														
Liberty 4WD	1997-1998	HPR 10	4.0	Transaxle 75	3.5	ATF DX-II	7.9	—	—	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Liberty RS Turbo	1991-1994	HPR 15/SIN 10	4.5	SIN Gear Oil 75	3.5	—	—	—	—	Combined Transmission	—	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Outback 2.5L	1996-2006	HPR 5	4.0	Transaxle 75	4.0	ATF DX-II/MHP	9.5	—	—	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Outback 3.0R	2003-2006	HPR 5	5.5	SIN Gear Oil 75	4.1	ATF MHP	9.8	—	—	SIN Gear Oil 75	1.4	SIN Gear Oil 75	1.4	Power Steering Fluid/ATF Top Up
Outback H6	1996-2006	HPR 5	5.8	Transaxle 75	4.0	ATF MHP	9.5	—	—	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
RX Turbo	1986-1987	HPR 15	4.0	Transaxle 75	3.3	—	—	—	—	Combined Transmission	—	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Sherpa	1983-1989	HPR 30	2.8	Transaxle 75	1.7	ATF DX-II/MHP	—	—	—	—	—	Combined with transmission	—	—
SV X Coupe	1992-1997	HPR 10	6.0	—	—	ATF DX-II	2.5/3.0	—	—	Transaxle 75	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up
Tribeca B9	2006-2007	HPR 5	5.5	Transaxle 75	—	ATF MHP	9.8	—	—	Transaxle 75	1.4	Limslip 90	0.8	ATF MHP/Power Steering Fluid
Vortex	1985-1989	HPR 15	4.0	Transaxle 75	2.6	ATF DX-II	3.0	—	—	Transaxle 75	1.2	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Vortex Turbo	1986-1989	HPR 15	4.0	Transaxle 75	3.3	—	—	—	—	Combined Transmission	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Vortex Turbo 4C XT 5T, 4C XT TA, 4WD	1987-1989	HPR 15	4.0	Transaxle 75	3.5	ATF DX-II	3.0	—	—	Limslip 90	1.2	Limslip 90	0.8	Power Steering Fluid/ATF Top Up

NOTES (Z1) – B4 and GT, SIN Gear Oil 75 recommended

SUZUKI

Alto	1996-1999	HPR 10	3.3	Transaxle 75	2.4	—	—	—	—	—	—	Combined Transmission	—	—
Alto, Mighty Boy, Alto Hatch 550 and 800	1980-1989	HPR 30	2.5	Transaxle 75	2.0	ATF 33	3.8	—	—	—	—	Combined Transmission	—	—
Baleno 1.6L	1995-2004	HPR 10	3.3	Transaxle 75	2.4	ATF DX-III	2.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Baleno 1.8L	1996-1999	HPR 10	5.2	Transaxle 75	2.4	ATF DX-III	2.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Baleno 1.8L	1999-2005	HPR 10	4.7	Transaxle 75	2.4	ATF DX-III	2.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Carry SK413	1999-2001	HPR 10	4.2	Transaxle 75	1.3	—	—	—	—	—	—	Transaxle 75	1.3	—
Cino	1994-2000	HPR 10	3.6	Transaxle 75	2.4	ATF DX-II	3.5	—	—	—	—	Combined Transmission	—	—
Grand Vitara 2.0L	1998-2006	HPR 10	5.2	Transaxle 75	1.5	ATF DX-III/ATF MHP	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Grand Vitara 2.5L V6	1998-2006	HPR 10	5.5	Transaxle 75	2.7	ATF DX-III	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Grand Vitara 1.6L	2000-2006	HPR 10	4.2	Transaxle 75	1.5	ATF DX-III	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Ignis	2000-2003	HPR 10	3.8	Transaxle 75	2.2	ATF DX-III	4.3	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Jimny	1998-2006	HPR 10	4.2	Transaxle 75	1.3	ATF DX-III	1.4	Transaxle 75	0.9	Transaxle 75	1.3	Transaxle 75	1.5	Power Steering Fluid/ATF Top Up
Liana	2001-2006	HPR 10	4.1	Transaxle 75	2.0	ATF DX-III	6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Sierra Stackman	1990-1999	HPR 15	3.0	Transaxle 75	1.0	—	—	Transaxle 75	0.7	Transaxle 75	1.3	Transaxle 75	1.3	—
Sierra SJ140	1981-1988	HPR 30	3.0	Transaxle 75	1.0	—	—	Transaxle 75	0.9	Transaxle 75	1.3	Transaxle 75	1.3	—
Sierra SJ413	1985-1989	HPR 30	3.5	Transaxle 75	1.3	—	—	Transaxle 75	0.8	Transaxle 75	1.3	Transaxle 75	1.5	—
Super Carry Van SK140	1985-1990	HPR 30	3.0	Transaxle 75	1.3	—	—	—	—	—	—	Transaxle 75	1.3	—
Swift	2006-2007	HPR 5/SIN 0	3.9	Transaxle 75	2.2	ATF MHP/SIN Auto	5.6	—	—	—	—	Combined Transmission	—	—
Swift 1.3L/1.5L	2006-2007	HPR 5/SIN 0	3.9	Transaxle 75	1.7/2.2	ATF MHP/SIN Auto	5.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Swift GTi	1989-2000	HPR 15	3.6	Transaxle 75	2.4	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Swift GTi, 1.3L	1986-1988	HPR 30/SIN 25	4.0	Transaxle 75	2.3	—	—	—	—	—	—	Combined Transmission	—	—
Swift SA	1984-1988	HPR 10/SIN 5	3.5/4.0	Transaxle 75	2.3	ATF DX-II	3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Swift SF	1989-1995	HPR 15/SIN 10	3.6	Transaxle 75	2.4	ATF DX-II	3.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Swift SF 4WD	1990-1992	HPR 15/SIN 10	3.6	Transaxle 75	4.1	—	—	—	—	—	—	Transaxle 75	1.2	Power Steering Fluid/ATF Top Up
SX4 (including 4WD)	2006-2007	HPR 5	3.9	Transaxle 75	2.5	ATF MHP	5.8	Transaxle 75	0.6	Combined Transmission	—	Transaxle 75	0.8	PAS Fluid
SX4 1.9L diesel	2005-2007	HPR Diesel 5	4.5	Transaxle 75	2.5	—	—	Transaxle 75	0.6	Combined Transmission	—	Transaxle 75	0.8	PAS Fluid
Vitara 1.6L	1991-1998	HPR 15	4.2	Transaxle 75	1.5	ATF DX-III	2.2	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Vitara 1.6L	1998-2004	HPR 10	4.2	Transaxle 75	1.5	ATF DX-III	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Vitara 2.0L 16V	1997-2000	HPR 10	5.2	Transaxle 75	1.5	ATF DX-III	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Vitara 2.0L V6	1995-1999	HPR 10	6.0	Transaxle 75	1.5	ATF DX-III	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Vitara SE416	1988-1994	HPR 30	4.5	Transaxle 75	1.5	ATF DX-III	5.1	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
Wagon R Plus	1997-1999	HPR 10	3.4	Transaxle 75	2.1	—	—	—	—	—	—	Combined Transmission	—	—
X90	1996-1998	HPR 10	4.2	Transaxle 75	1.5	ATF DX-III	2.2	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.2	Power Steering Fluid/ATF Top Up
XL-7 2.7L V6	2002-2006	HPR 10	5.5	Transaxle 75	2.7	ATF DX-III	2.5	Transaxle 75	1.7	Transaxle 75	1.0	Transaxle 75	2.5	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

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PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
TATA														
Safari	2000-2006	HPR Diesel 15	7.7	Manual Gear Oil 75	2.2	—	—	Manual Gear Oil 75	1.2	Hypoid 80W-90	1.2	Hypoid 80W-90	2.2	Power Steering Fluid/ATF Top Up
Telcoline	2000-2006	HPR Diesel 15	7.7	Manual Gear Oil 75	2.2	—	—	Manual Gear Oil 75	1.2	Hypoid 80W-90	1.2	Hypoid 80W-90	2.2	Power Steering Fluid/ATF Top Up
TOYOTA														
4Runner LN130 diesel	1989-1996	HPR Diesel	5.3	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.1	Limslip 90 (E3)	1.6	Limslip 90	2.2	Power Steering Fluid/ATF Top Up
4Runner LN60 diesel	1984-1985	HPR Diesel	5.8	Transaxle 75	3.9	—	—	Transaxle 75	1.6	Limslip 90 (E3)	2.3	Limslip 90	2.2	Power Steering Fluid/ATF Top Up
4Runner LN61 diesel	1985-1989	HPR Diesel	5.8	Transaxle 75	3.9	—	—	Transaxle 75	1.6	Limslip 90 (E3)	1.6	Limslip 90	2.2	Power Steering Fluid/ATF Top Up
4Runner RN130	1989-1996	HPR 15	4.3	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.1	Limslip 90 (E3)	1.6	Limslip 90 (E3)	2.2	Power Steering Fluid/ATF Top Up
4Runner RV6, SR5	1990-1996	HPR 15	4.3	Manual Gear Oil 80 (E3)	3.0	ATF DX-II	4.5	Manual Gear Oil 80 (E3)	1.1	Limslip 90 (E3)	1.6	Limslip 90 (E3)	2.2	Power Steering Fluid/ATF Top Up
4Runner YN130	1989-1990	HPR 30	4.0	—	—	ATF DX-II	4.5	ATF DX-II	0.8	Limslip 90 (E3)	1.6/1.9	Limslip 90 (E3)	2.2	Power Steering Fluid/ATF Top Up
4Runner YN60	1984-1985	HPR 30	3.5	Transaxle 75	3.9	—	—	Transaxle 75	1.6	Limslip 90 (E3)	2.3	Limslip 90	2.2	Power Steering Fluid/ATF Top Up
4Runner YN63	1985-1989	HPR 30	3.5	Transaxle 75	3.9	ATF DX-II	4.5	Transaxle 75	1.6	Limslip 90 (E3)	1.6	Limslip 90	2.2	Power Steering Fluid/ATF Top Up
Aurion V6	2006-2007	HPR 5	5.7/6.1	—	—	ATF MHP	6.6	—	—	—	—	—	—	Power Steering Fluid
Avalon	2000-2006	HPR 10	4.7	—	—	ATF DX-III	4.7	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Avante, 2.0L	1984-1987	HPR 30	4.6	Transaxle 75	2.8	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.4	Power Steering Fluid/ATF Top Up
Avante, 2.4L	1984-1987	HPR 30	4.6	Transaxle 75	2.5	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Avensis (Verso)	2001-2006	HPR 10	4.2	Transaxle 75	2.5	ATF MHP	3.3	—	—	—	—	Refer to Dealer	—	Power Steering Fluid/ATF Top Up
Blizzard LD10	1982-1983	HPR Diesel	5.0	Transaxle 75	2.2	—	—	Transaxle 75	1.4	Hypoid 80W-90 (E3)	1.5	Hypoid 80W-90 (E3)	1.5	—
Bundera	1985-1991	HPR 30	3.8	Transaxle 75	2.6	—	—	Transaxle 75	2.2	Hypoid 80W-90 (E3)	2.0	Hypoid 80W-90 (E3, J1)	1.8	Power Steering Fluid/ATF Top Up
Bundera, diesel	1986-1991	HPR Diesel	4.8	Transaxle 75	3.0	—	—	Transaxle 75	2.2	Hypoid 80W-90 (E3)	2.0	Hypoid 80W-90 (E3, J1)	1.8	Power Steering Fluid/ATF Top Up
Camry 1.8L/2.0L	1987-1991	HPR 15	4.0	Transaxle 75	2.6	ATF DX-II	5.6	—	—	ATF DX-II (F3)	1.6	—	—	Power Steering Fluid/ATF Top Up
Camry 2.2L	1993-2002	HPR 15	3.6	Transaxle 75	2.6	ATF DX-II	2.5	—	—	ATF DX-II (F3)	1.6	—	—	Power Steering Fluid/ATF Top Up
Camry 2.4L	2002-2006	HPR 10	4.3	Transaxle 75	2.5	ATF MHP	3.5	—	—	ATF DX-II (F3)	1.6	—	—	Power Steering Fluid/ATF Top Up
Camry 2.5L V6	1988-1991	HPR 15	3.9	—	—	ATF DX-II	5.9	—	—	ATF DX-II (F3)	1.0	—	—	Power Steering Fluid/ATF Top Up
Camry SV 1.1	1983-1987	HPR 30	4.0	Transaxle 75	2.6	ATF DX-II	2.0/2.5	—	—	ATF DX-II (F3)	1.9	—	—	Power Steering Fluid/ATF Top Up
Camry/Vienta 3.0L	1993-1997	HPR 15	4.3	—	—	ATF DX-II	6.5	—	—	ATF DX-II (F3)	0.8	—	—	Power Steering Fluid/ATF Top Up
Camry/Vienta 3.0L	1997-2002	HPR 10	4.7	Transaxle 75	4.2	ATF DX-II	3.5	—	—	ATF DX-II (F3)	0.9	—	—	Power Steering Fluid/ATF Top Up
Camry 3.0L	2002-2006	HPR 10	4.7	Transaxle 75	4.2	ATF DX-II	4.8	—	—	ATF DX-II (F3)	0.9	—	—	Power Steering Fluid/ATF Top Up
Celica	1980-1982	HPR 30	3.1	Transaxle 75	2.6	ATF 33	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Celica 1600, TA 22	1971-1975	HPR 30	2.8	Transaxle 75	1.5	ATF 33	7.0	—	—	—	—	Hypoid 80W-90 (E3, J1)	1.1	—
Celica 2.0L 25-C engine	1984	HPR 30	4.6	Transaxle 75	2.5	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Celica 2.4L	1984-1985	HPR 30	4.6	Transaxle 75	2.5	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Celica 230 Series	1999-2006	HPR 5/SIN 0	4.4	Transaxle 75	2.3	ATF MHP/SIN Auto	4.0	—	—	—	—	Combined Transmission	—	PAS Fluid
Celica GT-4 4WD	1990-1992	HPR 10/SIN 5	3.9	SIN Gear Oil 75	5.2	—	—	—	—	Combined Transmission	—	SIN Gear Oil 75	1.1	—
Celica GT-FOUR, ST205	1994	HPR 10/SIN 5	4.5	SIN Gear Oil 75	5.2	—	—	—	—	Combined Transmission	—	SIN Gear Oil 75	—	—
Celica RA40	1976-1982	HPR 30	3.1	Transaxle 75	2.6	ATF 33	2.4	—	—	—	—	Hypoid 80W-90 (E3, J1)	1.3	—
Celica RA60	1982-1983	HPR 30	3.6	Transaxle 75	2.5	ATF DX-II (M1)	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Celica ST204	1994-1999	HPR 10/SIN 5	3.9	Transaxle 75	2.6	ATF DX-II/SIN Auto	2.5	—	—	—	—	ATF DX-II	1.6	Power Steering Fluid/ATF Top Up
Celica SX, ST184	1989-1994	HPR 15	4.1	Transaxle 75	2.6	ATF DX-II	2.5	—	—	—	—	ATF DX-II	1.6	Power Steering Fluid/ATF Top Up
Celica SX/ST	1986-1989	HPR 15	3.9	Transaxle 75	2.6	ATF DX-II	2.4	—	—	—	—	ATF DX-II	1.6	Power Steering Fluid/ATF Top Up
Coaster BB10R diesel	1978-1982	HPR Diesel	6.8	Transaxle 75	3.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	—
Coaster BB20 diesel	1982-1986	HPR Diesel	5.8	Transaxle 75	3.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	—
Coaster BB21, BB40 diesel	1990-1995	HPR Diesel 15	8.1	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	Power Steering Fluid/ATF Top Up
Coaster BB21, BB40 diesel	1996-2001	HPR Diesel 15	8.1	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	Power Steering Fluid/ATF Top Up
Coaster HB30 diesel	1987-1990	HPR Diesel	9.1	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	Power Steering Fluid/ATF Top Up
Coaster HZB30, HZB 50 diesel	1990-1995	HPR Diesel 15	8.5	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	Power Steering Fluid/ATF Top Up
Coaster HZB30, HZB 50 diesel	1996-2001	HPR Diesel 15	8.5	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	Power Steering Fluid/ATF Top Up
Coaster RB13R, RB20,	1981-1992	HPR 30	3.8	Transaxle 75	3.1	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	Power Steering Fluid/ATF Top Up

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
TOYOTA (Cont'd)														
Corolla 1.6L	1986-1989	HPR 30	3.3	Transaxle 75	2.6	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla 1.8L	1998-2002	HPR 10	3.9	Transaxle 75	1.9	ATF DX-II	3.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla 1.8L	2002-2006	HPR 10	3.7	Transaxle 75	1.9	ATF MHP/SIN Auto	3.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla 1.8L Sportivo	2002-2006	HPR 5/SIN 0	4.4	Transaxle 75	1.9	ATF MHP/SIN Auto	3.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla 1200	1970-1978	HPR 30	2.7	Transaxle 75	1.7/2.5	(M1)	—	—	—	—	—	Hypoid 80W-90 (E3)	1.0/0.7	—
Corolla 4WD Wagon	1988-1996	HPR 15	3.2	Transaxle 75	5.0	ATF DX-II	8.2	—	—	—	—	Hypoid 80W-90 (E3)	1.1	Power Steering Fluid/ATF Top Up
Corolla AE 90, AE 92 3 speed auto	1989-1994	HPR 15	3.2	Transaxle 75	2.6	ATF 33	2.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla AE 90, AE 92 4 speed auto	1989-1994	HPR 15	3.3	Transaxle 75	2.6	ATF DX-II	3.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla FWD, 3 speed auto	1985-1989	HPR 30	3.0	Transaxle 75	2.4	ATF 33	2.5	—	—	—	—	ATF DX-III	1.4	Power Steering Fluid/ATF Top Up
Corolla FWD, 4 speed auto	1985-1989	HPR 30	3.0	—	—	ATF DX-II	3.1	—	—	—	—	—	—	Power Steering Fluid/ATF Top Up
Corolla RWD	1978-1985	HPR 30	3.0/3.3	Transaxle 75	1.7/2.5	(M1)	—	—	—	—	—	Hypoid 80W-90 (E3)	1.0/0.7	—
Corolla, AE101, 1.6L	1994-1999	HPR 10	3.0	Transaxle 75	2.6	ATF DX-II	3.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corolla, Sprinter, AE 102, 1.8L	1994-1999	HPR 10	3.7	Transaxle 75	2.6	ATF DX-II	3.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Corona 1.9L	1979-1983	HPR 30	3.5	Transaxle 75	2.1	(N1)	—	—	—	—	—	Hypoid 80W-90 (E3)	1.0	—
Corona 1500, 1600/S	1968-1974	HPR 30	3.5	Transaxle 75	1.7-2.0	(H2)	—	—	—	—	—	Hypoid 80W-90 (E3)	1.0/0.7	—
Corona 1900/1900 Mk II	1969-1972	HPR 30	4.1	Transaxle 75	2.0	ATF 33	7.1	—	—	—	—	Hypoid 80W-90 (E3)	1.1	—
Corona 2.0L	1983-1987	HPR 30	4.6	Transaxle 75	2.7	ATF DX-II (M1)	6.5/7.4	—	—	—	—	Hypoid 80W-90 (E3)	1.4	Power Steering Fluid/ATF Top Up
Corona 2.4L	1984-1987	HPR 30	4.6	Transaxle 75	2.5	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Corona 2000RT	1974-1979	HPR 30	3.3	Transaxle 75	2.7	(N1)	—	—	—	—	—	Hypoid 80W-90 (E3)	1.1	—
Corona Liffback 2.0L	1982	HPR 30	3.6	Transaxle 75	—	ATF 33	6.3	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Corona Liffback 2.0L	1979-1981	HPR 30	3.3	Transaxle 75	2.7	ATF 33	6.3	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Corona X2	1982-1983	HPR 30	3.6	Transaxle 75	2.5	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.0	Power Steering Fluid/ATF Top Up
Cressida	1981-1983	HPR 30	4.2	—	—	ATF 33 (M1)	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Cressida	1983-1985	HPR 30	5.1	—	—	ATF 33 (M1)	2.5	—	—	—	—	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Cressida	1986-1988	HPR 30	5.1	—	—	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.2	Power Steering Fluid/ATF Top Up
Cressida	1988-1993	HPR 15	4.4	—	—	ATF DX-II	1.6	—	—	—	—	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Cressida 2.6L	1977-1980	HPR 30	4.4	Transaxle 75	2.7	ATF 33	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Crown 2000/2300 4cylinder and 6 cylinder	1966-1971	HPR 30	4.5	Transaxle 75	1.8	(I2)	—	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Crown 6 2600 MS 55/53/57/65, RS56J	1971-1974	HPR 30	4.4	Transaxle 75	1.7	ATF DX-II	6.3	—	—	—	—	Hypoid 80W-90 (E3)	1.2	—
Crown 6 2600 MS85, Crown Super 2.6L	1975-1982	HPR 30	4.8	Transaxle 75	2.7	ATF 33	6.6	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Crown Royal 2.8L	1980-1983	HPR 30	4.2	—	—	ATF 33	2.5	—	—	—	—	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Crown Royal MS 123, 2.8L	1983-1988	HPR 30	4.7	—	—	ATF DX-II (M1)	2.5	—	—	—	—	Hypoid 80W-90 (E3)	1.1	Power Steering Fluid/ATF Top Up
Crown Super 2.6L	1980-1982	HPR 30	4.8	—	—	ATF 33	6.6	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Dyna 100, YH100, YH100	1995-2001	HPR 10	3.5	Transaxle 75	2.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Dyna 150 LY211	1995-2001	HPR Diesel 15	5.9	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	2.5	—
Dyna 200, 300, 400	1995-2001	HPR Diesel 15	9.3	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8/5/0	Power Steering Fluid/ATF Top Up
Dyna BU 20	1980-1984	HPR Diesel	5.8	Transaxle 75	3.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	—
Dyna BU32, BU36	1981-1984	HPR Diesel	5.8	Transaxle 75	4.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8/5.0	Power Steering Fluid/ATF Top Up
Dyna BU60, BU61, BU62, BU63, BU 65	1985-1995	HPR Diesel	5.8	Transaxle 75	3.2	ATF DX-II	4.0	—	—	—	—	Hypoid 80W-90 (E3)	3.8/5.0	—
Dyna BU61, BU65	1989-1995	HPR Diesel	6.4	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8/5.0	Power Steering Fluid/ATF Top Up
Dyna BU66, BU88, BU91	1989-1995	HPR Diesel	8.4	Transaxle 75	3.2/5.1	ATF DX-II	4.0	—	—	—	—	Hypoid 80W-90 (E3)	3.8/5.0	Power Steering Fluid/ATF Top Up
Dyna BU85	1985-1989	HPR Diesel	5.8	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	5.0	Power Steering Fluid/ATF Top Up
Dyna HU 40, HU50	1982-1984	HPR Diesel	8.1	Transaxle 75	4.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	5.0	Power Steering Fluid/ATF Top Up
Dyna HU30	1978-1981	HPR Diesel	8.0	Transaxle 75	3.4	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	—
Dyna LH80	1986-1992	HPR Diesel	5.8	Transaxle 75	2.2	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Dyna LY60	1986-1988	HPR Diesel	5.8	Transaxle 75	2.7	—	—	—	—	—	—	Hypoid 80W-90 (E3)	2.5	—
Dyna LY61	1989-1995	HPR Diesel	5.8	Transaxle 75	3.0	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	2.5	Power Steering Fluid/ATF Top Up
Dyna RU20, RU30	1978-1984	HPR 40	3.7	Transaxle 75	3.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8	—

CGI/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
TOYOTA (Cont'd)														
Dyna WU90	1985-1988	HPR Diesel	7.5	Transaxle 75	5.1	—	—	—	—	—	—	Hypoid 80W-90 (E3)	5.0	Power Steering Fluid/ATF Top Up
Dyna YH 81	1986-1995	HPR 15	3.5	Transaxle 75	2.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Dyna YU60	1985-1986	HPR 30	3.5	Transaxle 75	3.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	5.0	—
Dyna YU62	1987-1992	HPR 30	3.5	Transaxle 75	3.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	3.8/5.0	—
Dyna II 4500, 5500, 6000, 8500 4.6L-5.3L	2001-2006	HPR Diesel 15	10.6	Transaxle 75	3.2/4.2	ATF DX-II	14	—	—	—	—	Hypoid 80W-90 (E3)	3.7/5.5	Power Steering Fluid/ATF Top Up
Echo 1.3L	1999-2006	HPR 5	3.7	Transaxle 75	1.9	ATF MHP/SIN Auto	2.0	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Echo 1.5L	1999-2006	HPR 5	3.7	Transaxle 75	1.9	ATF MHP/SIN Auto	2.9	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Hiace KDH200R, KDH220R, KDH222R	2005-2007	HPR Diesel 15	6.5	Transaxle 75	2.6	ATF MHP	8.3	—	—	—	—	Hypoid 80W-90 (E3)	3.2	ATF MHP/Power Steering Fluid
Hiace LH103, LH113, RZH125 diesel	1989-2000	HPR Diesel	6.0	Transaxle 75	2.2	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	2.2	Power Steering Fluid/ATF Top Up
Hiace LH11, LH50, LH51, LH60, LH 61, LH70, LH71 diesel	1983-1989	HPR Diesel	6.0	Transaxle 75	1.8	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	2.2	—
Hiace LH162, LH172, F184 Diesel	2002-2005	HPR Diesel 15	6.0	Transaxle 75	2.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	2.2	Power Steering Fluid/ATF Top Up
Hiace LH20, LH30 diesel	1981-1982	HPR Diesel	6.0	Transaxle 75	2.0	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.8/2.2	—
Hiace RH11, RH16, RH20	1971-1985	HPR 40	3.8	Transaxle 75	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	2.5/1.6	—
Hiace RH22, RH32, RH42	1977-1983	HPR 30	4.0	Transaxle 75	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.6	—
Hiace RZH103, RZH113, RZH125 petrol	1989-1998	HPR 30	4.1	Transaxle 75	2.2	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	2.2	Power Steering Fluid/ATF Top Up
Hiace RZH103, RZH113, RZH125 petrol	1998-2003	HPR 15	4.1	Transaxle 75	2.2	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Hiace RZH103, RZH113, RZH125 diesel	1998-2005	HPR Diesel 15	3.6-4.1	Transaxle 75	2.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.4	ATF MHP/Power Steering Fluid
Hiace SBV, RCH12R, RCH22R	1995-2001	HPR 15	5.5	Transaxle 75	2.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Hiace SBV RCH12R, RCH22R	2001-2004	HPR 10	6.2	Transaxle 75	2.0	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.4	ATF MHP/Power Steering Fluid
Hiace TRH Series petrol	2006-2007	HPR 5	5.5	Transaxle 75	2.6	ATF MHP	8.3	—	—	—	—	Hypoid 80W-90 (E3, J1)	3.2	ATF MHP/Power Steering Fluid/ATF Top Up
Hiace YH50, YH51, YH53, YH61, YH 63, YH71, YH73	1983-1989	HPR 30	3.5	Transaxle 75	1.9	ATF DX-II	6.5	—	—	—	—	Hypoid 80W-90 (E3)	2.2	—
Hilux/Hilux SRS 4x4 VZN167R	2002-2005	HPR 10	5.0	Transaxle 75	2.2	ATF MHP (D3)	2.0	Transaxle 75	1.1	Limslip 90 (E3)	2.3	Limslip 90	1.7	Power Steering Fluid/ATF Top Up
Hilux 4x4 KUN Series Diesel	2006-2007	HPR Diesel 15	6.9	Transaxle 75	2.2	ATF MHP	10.1	Transaxle 75	1.0	Transaxle 75	1.5	Limslip 90	2.9	ATF MHP/Power Steering Fluid/ATF Top Up
Hilux 4x4 LN106 diesel	1988-1997	HPR Diesel	5.3	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.6	Hypoid 80W-90 (E3)	2.3	Hypoid 80W-90 (E3, J1)	2.2	Power Steering Fluid/ATF Top Up
Hilux 4x4 LN167 diesel	1997-2001	HPR Diesel 15	6.5	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.6	SIN Gear Oil 75	1.6	Limslip 90	2.4	Power Steering Fluid/ATF Top Up
Hilux 4x4 LN46 diesel	1983-1988	HPR Diesel	4.8	Transaxle 75	1.9	—	—	Transaxle 75	1.6	Hypoid 80W-90 (E3)	2.3	Hypoid 80W-90 (E3)	2.2	—
Hilux 4x4 LN65 diesel	1983-1988	HPR Diesel	5.8	Transaxle 75	3.9	—	—	Transaxle 75	1.6	Hypoid 80W-90 (E3)	2.3	Hypoid 80W-90 (E3)	2.2	—
Hilux 4x4 RN36, RN46	1979-1983	HPR 40	3.8	Transaxle 75	1.9	—	—	Transaxle 75	1.6	Hypoid 80W-90 (E3)	1.9	Hypoid 80W-90 (E3)	2.0	Power Steering Fluid/ATF Top Up
Hilux 4x4 RZN169, RZN174, SRS	1997-2004	HPR 10	6.0	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.6	Limslip 90 (E3)	1.9	Limslip 90	2.7	Power Steering Fluid/ATF Top Up
Hilux 4x4 SRS KZN165 turbo diesel	1997-2004	HPR Diesel 15	7.1	Manual Gear Oil 80 (E3)	2.2	—	—	Manual Gear Oil 80 (E3)	1.1	Limslip 90 (E3)	1.6	Limslip 90	2.7	Power Steering Fluid/ATF Top Up
Hilux 4x4 SRS LN107, LN111 diesel	1988-1997	HPR Diesel 15	5.3	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.6	SIN Gear Oil 75	1.9	Limslip 90	2.3	Power Steering Fluid/ATF Top Up
Hilux 4x4 SRS LN167, LN172 diesel	1997-2004	HPR Diesel 15	6.5	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.6	SIN Gear Oil 75	1.9	Limslip 90	2.4	Power Steering Fluid/ATF Top Up
Hilux 4x4 SRS, RN 105, RN106, RN110	1988-1997	HPR 30	4.3	Manual Gear Oil 80 (E3)	3.9	—	—	Manual Gear Oil 80 (E3)	1.6	Limslip 90 (E3)	1.9	Limslip 90	2.2	Power Steering Fluid/ATF Top Up
Hilux 4x4 YN65, YN67	1983-1988	HPR 30	3.5	Transaxle 75	2.5	ATF DX-II	4.5	Transaxle 75	1.1	Hypoid 80W-90 (E3)	2.3	Hypoid 80W-90 (E3)	2.2	—
Hilux GGN15R Petrol	2006-2007	HPR 5	5.5	Transaxle 75	2.6	ATF MHP	8.3	—	—	—	—	Hypoid 80W-90 (E3, J1)	3.2	ATF MHP/Power Steering Fluid/ATF Top Up
Hilux GGN23R 4x4	2005-2006	HPR10	5.8	Transaxle 75	2.2	ATF MHP	1.7	Transaxle 75	1.0	Transaxle 75	1.5	Limslip 90	2.9	Power Steering Fluid / ATF Top Up
Hilux KUN16R diesel	2006-2007	HPR Diesel 15	6.9	Transaxle 75	2.6	—	—	—	—	—	—	Hypoid 80W-90 (E3, J1)	3.2	ATF MHP/Power Steering Fluid/ATF Top Up
Hilux LN147	2001-2005	HPR Diesel 15	6.0	Transaxle 75	2.2	—	—	—	—	—	—	Limslip 90	1.8	Power Steering Fluid / ATF Top Up
Hilux LN147 diesel	1997-2001	HPR Diesel 15	5.8	Manual Gear Oil 80 (E3)	2.2	—	—	Manual Gear Oil 80 (E3)	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Hilux LN40, LNS5, LNS6 diesel	1984-1988	HPR Diesel	4.8	Transaxle 75	2.2	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Hilux LN85, LN86 diesel	1988-1997	HPR Diesel	5.8	Manual Gear Oil 80 (E3)	2.2	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Hilux RN27, RN31, RN41	1977-1983	HPR 40	3.8	Transaxle 75	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Hilux RN30, RN40	1979-1983	HPR 40	3.5	Transaxle 75	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Hilux RN85, RN 90	1988-1997	HPR 30	4.3	Transaxle 75	2.2	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.8	Power Steering Fluid/ATF Top Up
Hilux RZN147	1997-2001	HPR 15	4.7	Manual Gear Oil 80 (E3)	2.2	—	—	—	—	—	—	Hypoid 80W-90	1.8	Power Steering Fluid/ATF Top Up
Hilux RZN149, RZN 154	1997-2001	HPR 15	4.7	Manual Gear Oil 80 (E3)	2.6	ATF DX-III	1.6	—	—	—	—	Hypoid 80W-90 (E3, J1)	2.0	Power Steering Fluid/ATF Top Up
Hilux SRS, RN41	1979-1983	HPR 40	3.8	Transaxle 75	2.6	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	Power Steering Fluid/ATF Top Up
Hilux Surf 2.4L diesel	1989-1993	HPR Diesel	6.5	Manual Gear Oil 80	3.0	ATF DX-II	4.5	—	—	—	—	Limslip 90	2.2	Power Steering Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
TOYOTA (Cont'd)														
Hilux Surf petrol	1990-1997	HPR 15	4.3	Manual Gear Oil 80	3.0	ATF DX-II	4.5	—	—	—	—	Linslip 90	2.2	Power Steering Fluid
Hilux TGN16R petrol	2006-2007	HPR 5	5.5	Transaxle 75	2.6	—	—	—	—	—	—	Hypoid 80W-90 (E3, J1)	3.2	ATF MHP/Power Steering Fluid/ATF Top Up
Hilux YN 57, YN58 and SR5	1983-1988	HPR 30	3.0	Transaxle 75	2.6	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Hilux YN55, YN56	1983-1988	HPR 30	3.0	Transaxle 75	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Hilux YN85	1988-1997	HPR 30	3.5	Manual Gear Oil 80 (E3)	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.8	—
Kluger	2003-2006	HPR 10	4.7	—	—	ATF MHP	3.5	Hypoid 80W-90 (E3)	0.9	Combined Transmission	—	Hypoid 80W-90 (E3)	0.9	Power Steering Fluid/ATF Top Up
Land Cruiser BJ42	1981-1984	HPR Diesel	5.8	Transaxle 75	3.1/4.4	—	—	Transaxle 75	2.5	Hypoid 80W-90 (E3)	2.5	Hypoid 80W-90 (E3)	2.5	Power Steering Fluid/ATF Top Up
Land Cruiser BJ70/73/74	1985-1991	HPR Diesel	5.8	Transaxle 75	4.9	ATF DX-II	6.0	Transaxle 75	2.2	Hypoid 80W-90 (E3)	2.5	Hypoid 80W-90 (E3, J1)	3.0	Power Steering Fluid/ATF Top Up
Land Cruiser FJ40/45/55/60	1975-1984	HPR 30	7.0	Transaxle 75	3.1/4.4	—	—	Transaxle 75	1.7/2.5	Hypoid 80W-90 (E3)	2.5	Hypoid 80W-90 (E3)	2.5	Power Steering Fluid/ATF Top Up
Land Cruiser FJ62/70/73/75	1985-1992	HPR 30	7.0	Transaxle 75	4.9	ATF DX-II	6.0	Transaxle 75	2.2	Hypoid 80W-90 (E3)	3.0	Hypoid 80W-90 (E3, J1)	2.5	Power Steering Fluid/ATF Top Up
Land Cruiser FJ80	1990-1992	HPR 30	7.4	Manual Gear Oil 80 (E3)	2.6	ATF DX-II	6.0	Manual Gear Oil 80 (E3)	1.3	Linslip 90 (E3)	2.6	Linslip 90	2.5	Power Steering Fluid/ATF Top Up
Land Cruiser FJ80, FJ80	1992-1997	HPR 15	7.2	Manual Gear Oil 80 (E3)	2.7	ATF DX-II	6.0	Manual Gear Oil 80 (E3)	1.3	Linslip 90 (E3)	2.6/2.8	Linslip 90	3.2	Power Steering Fluid/ATF Top Up
Land Cruiser FZJ105	1998-2004	HPR 10	7.2	Manual Gear Oil 80 (E3)	2.7	ATF DX-II	6.0	Manual Gear Oil 80 (E3)	1.3	Linslip 90 (E3)	2.6/2.8	Linslip 90	3.2	Power Steering Fluid/ATF Top Up
Land Cruiser FZJ75	1992-1999	HPR 15	7.4	Manual Gear Oil 80 (E3)	4.9	—	—	Manual Gear Oil 80 (E3)	1.3	Linslip 90 (E3)	2.7	Linslip 90	3.2	Power Steering Fluid/ATF Top Up
Land Cruiser FZJ78/FZJ79	1999-2004	HPR 10	7.2	Manual Gear Oil 80 (E3)	2.7	—	—	Manual Gear Oil 80 (E3)	1.5	Hypoid 80W-90 (E3)	2.6	Hypoid 80W-90 (J1)	2.4	Power Steering Fluid/ATF Top Up
Land Cruiser FZJ79 diesel	1999-2001	HPR Diesel 15	11.3	Transaxle 75	2.2	—	—	Transaxle 75 (E3)	2.2	Hypoid 80W-90 (E3)	2.6	Hypoid 80W-90 (J1)	2.4	Power Steering Fluid/ATF Top Up
Land Cruiser FZJ80	1997-1999	HPR 15	7.2	Transaxle 75	2.7	ATF DX-II	6.0	Transaxle 75	1.3	Linslip 90	2.6/2.8	Linslip 90	3.2	Power Steering Fluid/ATF Top Up
Land Cruiser HDJ 78/79	1999-2006	HPR Diesel 15	11.5	Transaxle 75	2.7	—	—	Transaxle 75	1.5	Hypoid 80W-90 (E3)	2.6	Hypoid 80W-90 (E3, J1)	2.3/2.4	Power Steering Fluid/ATF Top Up
Land Cruiser HDJ 100R Turbo Diesel	2000-2006	HPR Diesel 15	11.5	Transaxle 75	2.7	ATF DX-II/ATF MHP	6.0/3.0	—	—	—	—	—	—	—
Land Cruiser HDJ 105	2004-2006	HPR Diesel 15	—	Transaxle 75	—	ATF MHP	—	—	—	—	—	—	—	—
Land Cruiser HJ45	1975-1980	HPR Diesel	8.0	Transaxle 75	3.1	—	—	Transaxle 75	1.7	Hypoid 80W-90 (E3)	2.5	Hypoid 80W-90 (E3)	2.5/2.9	—
Land Cruiser HJ47/60/61/75 diesel	1981-1990	HPR Diesel	9.1	Transaxle 75	4.9	ATF DX-II	6.0	Transaxle 75	2.5	Hypoid 80W-90 (E3)	3.0	Hypoid 80W-90 (E3)	2.5	Power Steering Fluid/ATF Top Up
Land Cruiser HZJ70/73/75	1989-1999	HPR Diesel	11.3	Manual Gear Oil 80 (E3)	4.9	—	—	Manual Gear Oil 80 (E3)	2.2	Hypoid 80W-90 (E3)	—	Hypoid 80W-90 (J1)	2.6	Power Steering Fluid/ATF Top Up
Land Cruiser HZJ78/79	1999-2004	HPR Diesel 15	9.3	Manual Gear Oil 80 (E3)	2.2	—	—	Manual Gear Oil 80 (E3)	2.2	Hypoid 80W-90 (E3)	2.6	Hypoid 80W-90 (J1)	2.4	Power Steering Fluid/ATF Top Up
Land Cruiser HZJ80 1HD-FT	1997-1999	HPR Diesel 15	9.7	Manual Gear Oil 80 (E3)	2.7	ATF DX-II	6.0	Manual Gear Oil 80 (E3)	1.3	Hypoid 80W-90 (E3)	2.6	Hypoid 80W-90 (J1)	2.6	Power Steering Fluid/ATF Top Up
Land Cruiser HZJ80, HDJ80	1990-1999	HPR Diesel	9.3	Manual Gear Oil 80 (E3)	2.6	ATF DX-II	6.0	Manual Gear Oil 80 (E3)	1.3	Hypoid 80W-90 (E3)	2.6	Linslip 90	2.6	Power Steering Fluid/ATF Top Up
Land Cruiser HZJ105	1998-2004	HPR Diesel 15	9.3	Manual Gear Oil 80 (E3)	2.2	ATF MHP (D3)	6.0	Manual Gear Oil 80 (E3)	1.3	Hypoid 80W-90 (E3)	2.8	Hypoid 80W-90 (J1)	3.3	Power Steering Fluid/ATF Top Up
Land Cruiser PZJ70/73	1989-1991	HPR Diesel	7.7	Transaxle 75	3.0	—	—	Transaxle 75	2.2	Hypoid 80W-90 (E3)	—	Hypoid 80W-90 (J1)	3.0	Power Steering Fluid/ATF Top Up
Land Cruiser UZJ100	1998-2006	HPR 10	6.8	—	—	ATF MHP (D3)	6.0	Manual Gear Oil 80 (E3)	1.3	Hypoid 80W-90	2.8	Hypoid 80W-90 (J1)	3.3	Power Steering Fluid/ATF Top Up
Lexcen	1989-1993	HPR 15	4.1	—	—	ATF DX-III	4.8	—	—	—	—	Linslip 90	1.0	Power Steering Fluid/ATF Top Up
Lexcen	1993-1995	HPR 15	4.1	—	—	ATF DX-III	3.8	—	—	—	—	Linslip 90	1.0	Power Steering Fluid/ATF Top Up
Lexcen	1995-1997	HPR 15	4.3	—	—	ATF DX-III	4.8	—	—	—	—	Linslip 90	1.7	Power Steering Fluid/ATF Top Up
Lite-Ace 4x4 YM40, YM41	1986-1988	HPR 30	3.5	Transaxle 75	2.6	—	—	Transaxle 75	1.2	Hypoid 80W-90 (E3)	1.2	Hypoid 80W-90 (E3)	1.9	Power Steering Fluid/ATF Top Up
Lite-Ace CM20, CM35 diesel	1983-1992	HPR Diesel	3.8	Transaxle 75	2.2	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Lite-Ace KM20, KM36	1980-1992	HPR 30	3.0	Transaxle 75	1.9	—	—	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Lite-Ace YM21, YM30, YM35	1984-1992	HPR 30	3.5	Transaxle 75	1.9	ATF DX-II	2.4	—	—	—	—	Hypoid 80W-90 (E3)	1.3	—
Mk II, 2000, 2300, 2600	1972-1976	HPR 30	4.4/4.8	Transaxle 75	1.7/2.7	ATF 33	6.4/7.1	—	—	—	—	Hypoid 80W-90	1.2	Power Steering Fluid/ATF Top Up
MR-2	2000-2006	HPR 5/SIN 0	3.7	Transaxle 75	1.8/2.1	—	—	—	—	—	—	—	—	PAS Fluid
MR-2, 1.6L	1987-1989	HPR15/SIN 10	3.4	Transaxle 75	2.6	—	—	—	—	—	—	Combined Transmission	—	—
MR-2, 2.0L	1990-1999	HPR15/SIN 10	3.9	Transaxle 75	2.6	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Paseo	1991-1999	HPR 10/SIN 10	3.2	Transaxle 75	2.4	ATF DX-II	3.1	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
Prado 2.7L	1996-2004	HPR 10	5.4	Manual Gear Oil 80 (E3)	2.5	ATF DX-III	2.0	Manual Gear Oil 80 (E3)	1.2	Linslip 90 (E3)	1.1	Linslip 90	2.6/2.9	Power Steering Fluid/ATF Top Up
Prado 3.0L diesel	2000-2006	HPR Diesel 15	7.0	Manual Gear Oil 80 (E3)	2.2	ATF MHP	2.0	Manual Gear Oil 80 (E3)	1.2	Linslip 90 (E3)	1.1	Linslip 90	2.6	Power Steering Fluid/ATF Top Up
Prado 3.4L	1996-2003	HPR 10	5.2	Manual Gear Oil 80 (E3)	2.2	ATF DX-III	2.0	Manual Gear Oil 80 (E3)	1.2	Linslip 90 (E3)	1.1	Linslip 90	2.6/2.9	Power Steering Fluid/ATF Top Up
Prado 4.0L	2003-2006	HPR 10	5.2	Transaxle 75	2.2	ATF MHP	2.0	Linslip 90 (E3)	1.2	Linslip 90 (E3)	1.1	Linslip 90	3.0	Power Steering Fluid/ATF Top Up
Prius/Prius II	2001-2005	HPR 0	3.7	Transaxle 75	—	(D3)	4.6/3.7	—	—	—	—	Combined Transmission	—	Penrite SSF
RAV 4	1994-2000	HPR 15	3.9	Transaxle 75	5.0	ATF DX-III	3.3	SIN Gear Oil 75	0.7	Combined Transmission	—	SIN Gear Oil 75	0.9	Power Steering Fluid/ATF Top Up
RAV 4 2.0L/2.4L	2000-2006	HPR 10	4.2	Transaxle 75	3.4	ATF MHP (D3)	3.9/3.4	SIN Gear Oil 75	0.9	Combined Transmission	—	SIN Gear Oil 75	0.9	Power Steering Fluid/ATF Top Up
Soarer 2.5L Turbo/4.0L	1991-1998	HPR 10	4.2/5.0	Transaxle 75	2.1	ATF DX-III/ATF MHP/SIN Auto	4.5	—	—	—	—	Linslip 90	2.0	ATF MHP/Power Steering Fluid

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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TOYOTA (Cont'd)

Spacia SR40, 2.0L	1998-2003	HPR 10	3.6	Transaxle 75	2.0	ATF DX-III	2.4	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Spacia YR22, 2.2L	1993-1997	HPR 10	3.5	Transaxle 75	2.2	ATF DX-III	2.4	--	--	--	--	Hypoid 80W-90 (E3)	1.5	Power Steering Fluid/ATF Top Up
Sprinter	1983-1985	HPR 30	3.3	Transaxle 75	1.7	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.0	Power Steering Fluid/ATF Top Up
Starlet	1996-1999	HPR 10	2.8	Transaxle 75	1.9	ATF DX-III	2.5	--	--	--	--	ATF DX-III	1.4	Power Steering Fluid/ATF Top Up
Shout RK110J, RK 110	1971-1983	HPR 40	4.5	Transaxle 75	1.8	--	--	--	--	--	--	Hypoid 80W-90 (E3)	2.5/1.8	--
Supra 2.8L	1983-1985	HPR 30/SIN 25	5.1	SIN Gear Oil 75	2.4	ATF DX-II (M1)	2.4	--	--	--	--	Limslip 90	1.2	Power Steering Fluid/ATF Top Up
Supra 3.0L	1986-1990	HPR 30/SIN 25	4.4	SIN Gear Oil 75	2.4	ATF DX-II/SIN Auto	1.6	--	--	--	--	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Supra 3.0L Turbo	1988-1993	HPR 15/SIN 10	4.4	SIN Gear Oil 75	3.0	ATF DX-II/SIN Auto	1.6	--	--	--	--	Limslip 90	1.3	Power Steering Fluid/ATF Top Up
Supra 3.0L Turbo	1994-1997	HPR 10/SIN 5	5.0	SIN Gear Oil 75	1.8	ATF Synthetic/SIN Auto	1.9	--	--	--	--	Limslip 90	1.7	PAS Fluid
F-18	1979-1983	HPR 30	3.3	Manual Gear Oil 80	1.7	--	--	--	--	--	--	Hypoid 80W-90	1.3	--
Tarago ACR30R	2000-2006	HPR 10	4.3	--	--	ATF MHP	3.3	--	--	--	--	Combined Transmission	--	PAS Fluid
Tarago CR21 diesel	1983-1988	HPR Diesel	3.8	Transaxle 75	2.6	--	--	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Tarago TCR10, TCR11	1990-2000	HPR 15	5.8	Transaxle 75	2.2	ATF DX-III	2.4	--	--	--	--	Hypoid 80W-90 (E3)	1.1/1.5	Power Steering Fluid/ATF Top Up
Tarago TCR20, TCR21 4WD	1990-1993	HPR 15	5.8	Transaxle 75	2.6	ATF DX-III	2.4	Manual Gear Oil 80 (E3)	1.3	Hypoid 80W-90 (E3)	1.1/1.5	Hypoid 80W-90 (E3)	1.0	Power Steering Fluid/ATF Top Up
Tarago YR20-YR22	1983-1990	HPR 30	3.5	Transaxle 75	2.2	ATF DX-II	2.4	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Tarago YR31 4x4	1986-1990	HPR 30	3.5	Transaxle 75	2.6	ATF DX-II	2.4	Transaxle 75	1.2	Hypoid 80W-90 (E3)	1.3	Hypoid 80W-90 (E3)	1.9	Power Steering Fluid/ATF Top Up
Tercel 4WD	1983-1988	HPR 30	3.3	Transaxle 75	3.9	--	--	--	--	Combined Transmission	--	Hypoid 80W-90 (E3)	1.0	Power Steering Fluid/ATF Top Up
TownAce	1992-2001	HPR 15	3.6	Transaxle 75	2.1	ATF DX-II	2.4	--	--	--	--	Hypoid 80W-90 (E3)	1.3	Power Steering Fluid/ATF Top Up
Toyota-Ace RY16	1974-1977	HPR 40	4.0	Transaxle 75	2.5	--	--	--	--	--	--	Hypoid 80W-90 (E3)	3.1	--
Toyota-Ace LY60, LY61	1982-1985	HPR Diesel	4.8	Transaxle 75	2.7	--	--	--	--	--	--	Hypoid 80W-90 (E3)	2.5/5.0	--
Toyota-Ace RY31	1980-1985	HPR 30	3.7	Transaxle 75	1.9	--	--	--	--	--	--	Hypoid 80W-90 (E3)	2.5/3.8	--
Yaris 1.3L/1.6L	2006-2007	HPR 5	3.7	Transaxle 75	1.9	ATF MHP	2.0/2.5	--	--	--	--	--	--	Power Steering Fluid/ATF Top Up

NOTES (D3) - 2001-2003 ATF MHP (HV), 2004-on, ATF MHP (WS), (E3) - May also use Transaxle 75, (F3) - With auto only (H2) - Toyoglide use ATF 33 (4.7L), Borg Warner use ATF DX-II (6.4L), (I2) - 2 speed auto 1966-1968 use ATF DX-II, 1968-1970 import use ATF 33, (J1) - If limited slip differential fitted, use Limslip 90, (M1) - Imported 2.3 speed use ATF 33, Aust production 3 speed use ATF DX-II. From late 1983/early 1984 check dipstick on imported transmissions - if marked with Dexron II use ATF DX-II, else use ATF 33, (N1) - Aust production and Borg Warner 3 speed use ATF DX-II, Aisin Warner use ATF 33, 1970 Aust BVW 3.5 use ATF DX-II.

TRABANT

601, 601S	1964-1990	Hi-PER Two Stroke Oil		Hypoid 80W-90	1.5	--	--	--	--	--	--	Combined Transmission	--	--
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TRIUMPH

2000 Saloon incl Mk 2, 2.5, 2500 PI. Ind Mk 2, 2500TC	1964-1979	HPR 30	4.5	SIN Manual Trans	1.4	ATF 33	6.4	--	--	--	--	Hypoid 80W-90	1.1	Power Steering Fluid --
2500S	1977-1979	HPR 30	4.5	Transaxle 75	2.0	ATF 33	6.0	--	--	--	--	Hypoid 80W-90	1.1	Power Steering Fluid
Dalomite	1975-1977	HPR 30	4.0	Hypoid 80W-90 (C4)	0.9	ATF 33	6.0	--	--	--	--	Hypoid 80W-90	0.9	--
Dalomite Spint	1975-1977	HPR 30	4.0	SIN Manual Trans	1.8	--	--	--	--	--	--	Hypoid 80W-90	1.1	--
GT6 Mk I, II, III	1966-1973	HPR 30	4.5	Hypoid 80W-90 (C4)	0.8	--	--	--	--	--	--	Hypoid 80W-90	0.6	--
Spiffire Mk 1, 2, 3, 4	1963-1973	HPR 30	4.0/4.5	Hypoid 80W-90 (C4)	0.8	--	--	--	--	--	--	Hypoid 80W-90	0.6	--
Stag, V8	1972-1978	HPR 30	4.5	SIN Manual Trans	1.2	ATF 33	6.5/6.0	--	--	--	--	Hypoid 80W-90	1.1	Power Steering Fluid
TR5 PI. and TR6 PI.	1968-1975	HPR 30	4.5	Hypoid 80W-90 (C4)	1.1	--	--	--	--	--	--	Hypoid 80W-90	1.4	--
TR7	1978-1982	HPR 30	4.0	SIN Manual Trans	1.5	--	--	--	--	--	--	Hypoid 80W-90	0.9	--

NOTES (C4) - May also use SIN Manual Trans

VALIANT

VE, VE, VG, 6 cylinder/V8	1967-1971	HPR 40	3.8	Small Engine Mono SAE 30 (C4)	1.8	ATF DX-II	7.5/8.1	--	--	--	--	Hypoid 80W-90 (J1)	1.3	--
VH, VJ, VK 6 cylinder/V8	1971-1976	HPR 40	3.8	Small Engine Mono SAE 30 (C4)	1.8	ATF DX-II	8.1/7.5	--	--	--	--	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up

NOTES (C4) - May also use SIN Manual Trans, (J1) - If limited slip differential fitted, use Limslip 90

VAUXHALL

Cresta, Viscount PC Series	1965-1971	HPR 30	4.5	HPR 30	1.2/2.0	ATF DX-II	2.3	--	--	--	--	Hypoid 80W-90	2.1/2.3	--
Victor FD, Ventura	1967-1971	HPR 30	4.3	HPR 30	1.2/1.7	ATF DX-II	3.4/2.5	--	--	--	--	Hypoid 80W-90	1.4	--
Viva HB, HC 1.3L/1.6L	1966-1974	HPR 30	2.5/4.3	HPR 30	0.5/1.4	ATF DX-II	2.5	--	--	--	--	Hypoid 80W-90	0.7/1.4	--

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

ALWAYS READ THE NOTES. CAPACITIES ARE A GUIDE ONLY.

PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
VOLKSWAGEN														
1200, 1300, 1500, 1600 Type 1, 1500, 1600 Type 3	1954-1976	HPR 30	2.5	Manual Gear Oil 80	2.5	--	--	--	--	--	--	Combined Transmission	--	--
1500, 1600 Type 1 Stickshift	1968-1974	HPR 30	2.5	Manual Gear Oil 80	3.0	ATF DX-II	3.6	--	--	--	--	Combined Transmission	--	--
1600 Type 3 Automatic	1969-1974	HPR 30	2.5	--	--	ATF DX-II	3.0	--	--	--	--	Hypoid 80W-90	1.0	--
Beetle (new)	2000-2006	HPR 10/SIN 5	4.0	SIN Gear Oil 75	--	(R2)	--	--	--	--	--	Combined Transmission	--	(M3)
Bora	1999-2005	HPR 10	4.0	SIN Gear Oil 75	--	(R2)	--	Filled for Life	--	--	--	Filled for Life	--	(M3)
Caddy (Caddy Life) 1.6L, petrol	2006-2007	HPR 5	4.5	Transaxle 75	2.1	--	--	--	--	--	--	Combined Transmission	--	LHM Plus
Caddy (Caddy Life) 1.9L diesel	2003-2006	HPR Diesel 5	4.3	Transaxle 75 (U1)	1.7	--	--	--	--	--	--	Combined Transmission	--	LHM Plus
Caddy (Caddy Life) 1.9L diesel	2006-2007	HPR 0 (H4)	4.3	Transaxle 75 (U1)	1.7	--	--	--	--	--	--	Combined Transmission	--	LHM Plus
Caddy petrol	2003-2005	HPR 10	4.5	Transaxle 75	2.1	--	--	--	--	--	--	Combined Transmission	--	LHM Plus
Caravelle T5 1.9L TDi	2006-2007	HPR 0 (H4)	5.8	Transaxle 75	2.0	--	--	--	--	--	--	--	--	LHM Plus
Caravelle T5 2.5L TDi	2006-2007	HPR 0 (H4)	7.4	Manual Gear Oil 70	2.7	ATF DX-VI	7.0	--	--	--	--	--	--	LHM Plus
Caravelle T5 2.5L TDi 4 Motion	2006-2007	HPR 0 (H4)	7.4	Manual Gear Oil 70	2.7	ATF DX-VI	7.0	--	--	--	--	Transaxle 75	--	LHM Plus
Caravelle T5 3.2L	2006-2007	HPR 5/SIN 0	6.1	--	--	ATF DX-VI	7.0	--	--	--	--	--	--	LHM Plus
Caravelle T5 3.2L 4 Motion	2006-2007	HPR 5/SIN 0	6.1	Manual Gear Oil 70	2.7	--	--	--	--	--	--	Transaxle 75	--	LHM Plus
California 2.5L diesel, 4 Motion	2006-2007	HPR 0 (H4)	--	(U1)	--	ATF DX-VI (U1)	--	Refer to Dealer	--	Combined Transmission	--	Transaxle 75	1.0	LHM Plus
Crafter 2.5L TDi	2006-2007	HPR 0 (H4)	9.0	Transaxle 75 (J3, J4)	1.5	--	--	--	--	--	--	--	--	ATF BMW/PAS Fluid
EOS 2.0L/2.0L Turbo FSI	2006-2007	HPR 5/SIN 0	4.5	Transaxle 75 (H1)	2.3	ATF BMW	5.2	--	--	--	--	--	--	LHM Plus
EOS 3.2L V6	2006-2007	HPR 5/SIN 0	--	--	--	ATF BMW	5.2	--	--	--	--	--	--	LHM Plus
Golf	1995-2005	HPR 10	4.0	SIN Gear Oil 75	2.0	(R2)	3.0	--	--	--	--	ATF Synthetic	0.8	(M3)
Golf Diesel	1978-1983	HPR Diesel	3.0	Manual Gear Oil 80	1.5	ATF DX-II	--	--	--	--	--	Combined Transmission	--	(M3)
Golf 1.6L/2.0L incl GTI 2.0L turbo	2006-2007	HPR 5/SIN 0	4.5/4.6	Transaxle 75 (U1)	2.0	ATF DX-VI (U1)	--	--	--	--	--	Combined Transmission	--	LHM Plus
Golf R32 FSI V6 4 Motion	2006-2007	HPR 5/SIN 0	5.5	(U1)	--	(U1)	7.2	--	--	Combined Transmission	--	Transaxle 75	--	LHM Plus
Golf GTI	1990-1993	HPR 15	4.0	SIN Gear Oil 75	2.0	(R2)	3.0	--	--	--	--	Hypoid 80W-90	0.8	(M3)
Golf Tdi (1.9L/2.0L)	2006-2007	HPR 0 (H4)	4.3/3.8	(U1)	--	ATF DX-VI (U1)	7.2	--	--	--	--	Combined Transmission	--	LHM Plus
Golf Tdi	1995-1997	HPR Diesel 15	4.5	SIN Gear Oil 75	2.0	(R2)	3.0	--	--	--	--	ATF Synthetic	0.8	(M3)
Golf Tdi	1997-2005	HPR Diesel 5	4.5	SIN Gear Oil 75	--	(R2)	--	--	--	--	--	Combined Transmission	--	(M3)
Golf VR 6	1994-1998	HPR 10	6.0	SIN Gear Oil 75	2.0	(R2)	3.0	--	--	--	--	ATF Synthetic	0.8	(M3)
Jetta	1990-1992	HPR 30	4.0	Manual Gear Oil 80	2.0	ATF DX-II	6.0	--	--	--	--	Hypoid 80W-90	0.8	LHM Plus
Jetta 2.0L diesel	2006-2007	HPR 0 (H4)	3.8	Transaxle 75 (U1)	--	ATF DX-VI (U1)	7.0	--	--	--	--	Combined Transmission	--	LHM Plus
Jetta 2.0L/2.0L Turbo petrol	2006-2007	HPR 5	4.0/4.6	Transaxle 75 (U1)	--	ATF DX-VI (U1)	7.0	--	--	--	--	Combined Transmission	--	LHM Plus
Kombi Beach 2.5L diesel	2006-2007	HPR 0 (H4)	--	(U1)	--	ATF DX-VI (U1)	--	--	--	--	--	Transaxle 75	--	LHM Plus
Kombi, Caravelle Synchro 4x4	1988-1993	HPR 15	4.0	Manual Gear Oil 75	4.5	--	--	--	SIN Gear Oil 75	--	1.5	Combined with transmission	1.3	Power Steering Fluid/ATF Top Up
Kombi, Caravelle, auto	1982-1993	HPR 15	--	--	--	ATF DX-III	3.0	--	--	--	--	Hypoid 80W-90	1.3	--
Kombi, Caravelle, manual	1982-1983	HPR 15	4.0	Manual Gear Oil 75	3.5	--	--	--	--	--	--	Combined with transmission	--	--
Kombi, Caravelle, manual	1984-1993	HPR 15	4.0	Manual Gear Oil 75	3.0	--	--	--	--	--	--	Combined with transmission	--	Power Steering Fluid/ATF Top Up
LT Mega Van 2.5L diesel	2006-2007	HPR 0 (H4)	--	Transaxle 75	--	--	--	--	--	--	--	Transaxle 75	--	LHM Plus
Multivan, 2.7L TDi diesel	2006-2007	HPR 0 (H4)	--	(U1)	--	ATF DX-VI (U1)	--	--	--	--	--	Transaxle 75	--	LHM Plus
Multivan, 3.2L petrol	2006-2007	HPR 5	--	(U1)	--	ATF DX-VI (U1)	--	--	--	--	--	Transaxle 75	--	LHM Plus
Passat	1974-1981	HPR 30	2.5	Manual Gear Oil 80	1.6	ATF DX-II	3.0	--	--	--	--	Hypoid 80W-90	0.8	(M3)
Passat	1995-1997	HPR 10	3.8	SIN Gear Oil 75	2.0	(R2)	3.0	--	--	--	--	ATF Synthetic	0.8	(M3)
Passat 1.8L/2.8L	1998-2005	HPR 10	3.5/5.5	SIN Gear Oil 75	--	(R2)	--	--	--	--	--	Combined Transmission	--	(M3)
Passat 2.0L diesel	2006-2007	HPR 0 (H4)	4.0	(U1)	2.3	(U1)	7.2	--	--	--	--	Combined Transmission	--	LHM Plus
Passat 2.0L Turbo petrol	2006-2007	HPR 5	4.6	(U1)	--	ATF DX-VI	7.0	--	--	--	--	Combined Transmission	--	LHM Plus
Passat 3.2L 4 Motion petrol	2006-2007	HPR 5	5.5	(U1)	2.2	(U1)	7.2	Refer to Dealer	--	Combined Transmission	--	Transaxle 75	1.0	LHM Plus
Passat Diesel	1980-1983	HPR Diesel	3.0	Manual Gear Oil 80	1.5	--	--	--	--	--	--	Combined Transmission	--	(M3)
Passat VR6	1995-1997	HPR 10	5.5	SIN Gear Oil 75	2.0	(R2)	3.0	--	--	--	--	ATF Synthetic	0.8	(M3)
Phaeton 3.2L 4 Motion petrol	2003-2006	HPR 5	5.5	SIN Gear Oil 75	2.2	ATF DX-VI	9.8	Transaxle 75	0.6	Transaxle 75	1.1	Transaxle 75	1.1	LHM Plus
Polo	1996-2006	HPR 10	3.5	SIN Gear Oil 75	2.7	(R2)	3.0	--	--	--	--	ATF Synthetic	0.8	(M3)

CNG/LPG Engines: If HPR 5 or 10 are specified for the petrol engine use HPR Gas 10. If HPR 15, 30 or 40 specified use HPR Gas.

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PENRITE VEHICLE LUBRICATION RECOMMENDATIONS

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
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VOLKSWAGEN (Cont'd)

Sharan VR6	1997-2004	HPR 5	5.5	Transaxle 75	—	ATF BMW	3.5	—	—	—	—	Transaxle 75	0.8	LHM Plus
Touareg 3.2L petrol	2003-2007	SIN 0	6.0	(U1)	—	ATF DX-VI	9.0	Refer to Dealer	—	Transaxle 75	1.0	Transaxle 75	1.0	LHM Plus
Touareg 4.2 L petrol	2003-2007	SIN 0	7.5	(U1)	—	ATF DX-VI	9.0	Refer to Dealer	—	Transaxle 75	1.0	Transaxle 75	1.0	LHM Plus
Touareg 4.9L diesel	2003-2005	HPR Diesel 5	11.5	(U1)	—	ATF DX-VI	9.0	Refer to Dealer	—	Transaxle 75	1.0	Transaxle 75	1.0	LHM Plus
Touareg 4.9L diesel	2006-2007	HPR 0 (H4)	11.5	(U1)	—	ATF DX-VI	9.0	Refer to Dealer	—	Transaxle 75	1.0	Transaxle 75	1.0	LHM Plus
Touareg R5 2.5L diesel	2004-2005	HPR Diesel 5	8.9	(U1)	—	ATF DX-VI	9.0	Refer to Dealer	—	Transaxle 75	1.0	Transaxle 75	1.0	LHM Plus
Touareg R5 2.5L diesel	2006-2007	HPR 0 (H4)	8.9	(U1)	—	ATF DX-VI	9.0	Refer to Dealer	—	Transaxle 75	1.0	Transaxle 75	1.0	LHM Plus
Transporter T4, diesel	1993-2005	HPR Diesel 5	5.5	SIN Gear Oil 75	3.0	—	—	—	—	—	—	Combined with transmission	—	(M3)
Transporter T5 1.9L diesel	2004-2005	HPR Diesel 5	5.5	(U1)	2.0	—	—	—	—	—	—	Combined Transmission	—	LHM Plus
Transporter T5 1.9L diesel	2006-2007	HPR 0 (H4)	5.5	(U1)	2.0	—	—	—	—	—	—	Combined Transmission	—	LHM Plus
Transporter T5 1.9L petrol	2004-2007	SIN 0	5.0	(U1)	2.0	—	—	—	—	—	—	Combined Transmission	—	LHM Plus
Transporter T5 2.5L diesel	2004-2005	HPR Diesel 5	7.4	(U1)	2.7	ATF DX-VI	7.0	—	—	—	—	Transaxle 75	1.1	LHM Plus
Transporter T5 2.5L diesel	2006-2007	HPR 0 (H4)	7.4	(U1)	2.7	ATF DX-VI	7.0	—	—	—	—	Transaxle 75	1.1	LHM Plus
Transporter, Caravelle T4, 2.0L petrol	1993-2005	HPR 10	5.0	SIN Gear Oil 75	3.0	—	—	—	—	—	—	Combined with transmission	—	(M3)
Transporter, Caravelle T4, 2.5L petrol	1993-2005	HPR 10	5.5	SIN Gear Oil 75	3.0	(R2)	3.5	—	—	—	—	SIN Gear Oil 75 (F3)	1.1	(M3)
Type 2, 1600	1968-1975	HPR 30	2.5	Manual Gear Oil 75	3.5	—	—	—	—	—	—	Combined with transmission	—	—
Type 2, 1700, 1800, 2000	1973-1980	HPR 30	3.0	Manual Gear Oil 75	3.5	ATF DX-II	3.0	—	—	—	—	Hypoid 80W-90	0.8	—
Vento	1995-1997	HPR 10	4.0	SIN Gear Oil 75	2.0	(R2)	3.0	—	—	—	—	ATF Synthetic	0.8	(M3)

NOTES (F3) – With auto only, (H4) – Sole recommendation for engine, (J3) – Hydraulic shift mechanism (ASM) use Penrite SSF (J4) – Shiftmatic transmission use Manual Gear Oil 75 (M3) – If VW 2000 specified use LHM Plus, else use Penrite SSF, (R2) – ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. All 6 speed, use ATF DXVI, 7 speed autos, refer to dealer, (U1) – DSG (and other automated manual) transmission use ATF BMW, for conventional 6 speed manual use Manual Gear Oil 70, (Y1) – Filled for life.

VOLVO

140 Series (142, 144, 145)	1967-1974	HPR 30	3.3	Small Engine Mono SAE 30 (C4)	0.8	ATF 33	6.4	—	—	—	—	Hypoid 80W-90 (J1)	—	—
164, 164E	1969-1975	HPR 30	5.2	Small Engine Mono SAE 30 (C4)	0.7	ATF 33	8.2	—	—	—	—	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid/ATF Top Up
1800E, 1800ES	1970-1973	HPR 30	3.3	—	—	ATF 33	6.4	—	—	—	—	Hypoid 80W-90	1.3	—
240 (242GT,244,245)	1976-1979	HPR 40	3.3	ATF 33 (B3)	0.8/2.3	ATF 33	6.6	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
240 Series	1975	HPR 30	3.3	Manual Gear Oil 75 (B3)	0.8	ATF 33	6.4	—	—	—	—	Hypoid 80W-90 (J1)	1.3	Power Steering Fluid/ATF Top Up
240	1983	HPR 40	3.8	ATF 33	0.8	ATF 33	6.7	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
240	1984-1993	HPR 30	3.8	ATF 33	2.3	—	—	—	—	—	—	Linslip 90	1.3/1.6	—
260 GLE	1984-1986	HPR 30	6.0	—	—	ATF 33	6.7	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
264,265,260 GLE	1980-1981	HPR 40	6.0	Manual Gear Oil 75	2.3	ATF 33	6.6	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
264GL, 265DL, 265, 262C incl BW 55 Auto	1975-1980	HPR 40	6.0	HPR 30	1.6	ATF 33	5.5/6.5	—	—	—	—	Hypoid 80W-90 (J1)	1.6	Power Steering Fluid/ATF Top Up
360 GLS, GLT	1984-1987	HPR 30	4.5	ATF 33	2.7	—	—	—	—	—	—	Hypoid 80W-90	1.3	—
440 GL/GLT	1993-1996	HPR 15	5.3	Refer to Dealer	3.4	ATF DX-II	3.3	—	—	—	—	Combined Transmission	—	—
740 GL	1988-1991	HPR 15	3.8	Manual Gear Oil 75	2.3/1.6	ATF DX-II	6.0	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
740 GLE	1988-1990	HPR 15	3.8	—	—	ATF DX-II	7.5	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
740 GLE turbo	1986-1990	HPR 15	3.8	Manual Gear Oil 75	2.3/1.6	ATF DX-II	7.5	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
740 Turbo	1988-1990	HPR 15	3.8	Manual Gear Oil 75	2.3	—	—	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
740GL, GLE	1985-1987	HPR 30	3.8	—	—	ATF DX-II	7.7	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
760 GLE	1984-1987	HPR 30	6.5	—	—	ATF DX-II	7.5	—	—	—	—	Hypoid 80W-90	1.6	Power Steering Fluid/ATF Top Up
760 GLE A/W auto	1988-1990	HPR 15	6.5	—	—	ATF DX-II	3.9	—	—	—	—	Hypoid 80W-90	1.6	Power Steering Fluid/ATF Top Up
760 GLE, A/W 71 auto	1983	HPR 30	6.0	—	—	ATF 33	7.5	—	—	—	—	Hypoid 80W-90	1.6	Power Steering Fluid/ATF Top Up
760 Turbo, ZF Auto	1984-1986	HPR 30	3.8	Manual Gear Oil 75	2.3	ATF DX-II	7.7	—	—	—	—	Hypoid 80W-90	1.6	Power Steering Fluid/ATF Top Up
850 GLE, GLE SE/GLT	1992-1997	HPR 15	5.3	SIN Gear Oil 75	2.1	ATF DX-II	7.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
850 S/SE/CD/R including turbo	1995-1997	HPR 10	5.3/5.8	SIN Gear Oil 75	2.1	ATF BMW	7.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
850 SE/CD, 2.5 L	1995-1997	HPR 10	5.3/5.8	SIN Gear Oil 75	2.1	ATF BMW	7.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
850 T5R	1994-1995	HPR 10	5.3/5.8	SIN Gear Oil 75	2.1	—	—	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
940 GL A/W 71 auto	1990-1995	HPR 15	3.8	—	—	ATF DX-III	—	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up

PASSENGER CARS, 4WDS AND LIGHT COMMERCIALS

4.1

MAKE AND MODEL	YEAR	ENGINE	CAPACITY	MANUAL TRANS	CAPACITY	AUTO TRANS	CAPACITY	TRANSFER CASE	CAPACITY	FRONT DIFFERENTIAL	CAPACITY	REAR DIFFERENTIAL	CAPACITY	POWER STEERING
VOLVO (Cont'd)														
940 GLE/SE/S including turbo	1990-1995	HPR 15	3.8	—	—	ATF DX-III	7.5	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
960	1990-1991	HPR 15	6.5	—	—	—	—	—	—	—	—	Linslip 90	1.6	Power Steering Fluid/ATF Top Up
C30	2007	HPR 5	—	Refer to Dealer	—	Refer to Dealer	—	—	—	—	—	Combined Transmission	—	Refer to Dealer
C30 (diesel)	2007	HPR 0 (H4)	—	Refer to Dealer	—	Refer to Dealer	—	—	—	—	—	Combined Transmission	—	Refer to Dealer
C70 T5	1998-2002	HPR 5	5.8	SIN Gear Oil 75	—	ATF MHP	7.6	—	—	—	—	Combined Transmission	—	Penrite SSF
S40	2001-2004	HPR 5	4.3	Transaxle 75	—	ATF MHP	6.5	—	—	—	—	Combined Transmission	—	Penrite SSF
S40 T4, V40 T4, 1.9L turbo	1997-2000	HPR 10	4.3	Transaxle 75	2.1	ATF BMW	6.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
S40, 2.0L	1997-2000	HPR 10	4.3	Transaxle 75	3.4	ATF MHP	6.5	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
S40T4	2001-2004	HPR 5	4.3	Transaxle 75	—	ATF MHP	7.6	—	—	—	—	Combined Transmission	—	Penrite SSF
S40/V50	2004-2006	HPR 5	5.8	Refer to Dealer	2.1	ATF MHP	7.8	—	—	—	—	Combined Transmission	—	Penrite SSF
S60 2.4	2001-2004	HPR 5	5.5	Refer to Dealer	—	ATF MHP	7.5	—	—	—	—	Combined Transmission	—	Penrite SSF
S60 2.4T, T5	2001-2006	HPR 5	5.8	Refer to Dealer	—	ATF MHP	7.5	—	—	—	—	Combined Transmission	—	Penrite SSF
S60R	2003-2006	HPR 5	5.5/5.8	SIN Gear Oil 75	2.0	ATF MHP	—	Refer to Dealer	—	Refer to Dealer	—	Combined Transmission	—	Penrite SSF
S70, V70 including T5 and turbo	1997-1999	HPR 10	5.8	SIN Gear Oil 75	2.1	ATF MHP	7.6	—	—	—	—	Combined Transmission	—	Power Steering Fluid/ATF Top Up
S80, S80T6	1998-2006	HPR 5	7.1	SIN Gear Oil 75	—	ATF MHP	7.6	—	—	—	—	Combined Transmission	—	Penrite SSF
S90, V90	1997-2002	HPR 10	6.2	—	—	ATF MHP	7.8	—	—	—	—	Hypoid 80W-90	1.6	Power Steering Fluid/ATF Top Up
V70XC	1998-2006	HPR 5	5.8	Refer to Dealer	—	ATF MHP	7.6	Refer to Dealer	—	Combined Transmission	—	Refer to Dealer	—	Penrite SSF
XC90 4.4L V8	2003-2006	HPR 5	6.7	Refer to Dealer	—	ATF MHP	7.0	Refer to Dealer	—	Combined Transmission	—	Refer to Dealer	—	Penrite SSF
XC90 4.4L V8	2006-2007	HPR 5	6.7	—	—	ATF MHP	7.0	Refer to Dealer	—	Refer to Dealer	—	Refer to Dealer	—	Penrite SSF
XC90 D5	2006-2007	HPR 0 (H4)	6.5	—	—	ATF MHP	7.2	Refer to Dealer	—	Refer to Dealer	—	Refer to Dealer	—	Penrite SSF

NOTES (B3) – Overdrive gearbox use Small engine Mono 30/SIN Manual Trans (1.6L) or if M46 overdrive use ATF33 (2.3L). (C4) – May also use SIN Manual Trans.

NOTES

- (A1)** No label on transmission use Manual Gear Oil 80, orange label use ATF Synthetic/ATF BMW, green label 'Special Oil' use Manual Gear Oil 75, yellow label 'MTF-LT-1' use Manual Gear Oil 75, yellow label 'MTF-LT-2' or blue label, use Manual Gear Oil 70
- (A2)** Check tag - some units prior to 1967 should use HPR 30 or 10 Tenths Competition Oil 25
- (A3)** Electro - hydraulic gear change mechanism use LHM Plus
- (A4)** Tiptronic transmission only. If fitted with Multitronic transmission, refer to dealer
- (B1)** THMR1 with black or green sticker, 5HP-18 with black sticker and GM 4/5 use ATF DX-III/ATF BMW
- (B2)** Reservoir Capacity
- (B3)** Overdrive gearbox use Small Engine Mono 30/SIN Manual Trans (1.6L) or if M46 overdrive use ATF 33 (2.3L)
- (B4)** Tiptronic transmission use ATF MHP
- (C1)** If fitted with self levelling suspension use LHM Plus
- (C2)** If 4 speed use Manual Gear Oil 80, 1.8L
- (C3)** Fully flush transmission before refill as original fill oil is said to be incompatible with other oils
- (C4)** May also use SIN Manual Trans
- (D1)** If not fitted with self levelling suspension use ATF Top Up, if fitted with self levelling suspension use Penrite SSF
- (D2)** If limited slip differential fitted, use Limslip 90 (1.3L standard or 2.3L for Traction Lok/Daytona)
- (D3)** 2001-2003 ATF MHP (TIV), 2004-on ATF MHP (WVS)
- (D4)** Steering box use Penrite Steering Box Lube
- (E1)** Borg Warner Type 12 use ATF 33 (9.3L), GM 400 use ATF DX 11 (9.0L)
- (E2)** 1971-1972 with Borg Warner auto use ATF DX-II
- (E3)** May also use Transaxle 75
- (E4)** Self levelling suspension use MB 15 suspension fluid (MB343.0)
- (F1)** If Ford FMX use ATF 33 (10.5L), if C4 use ATF DX-II (9.4L)
- (F2)** 1970 1200 with 3N71A transmission use ATF 33
- (F3)** With Auto only
- (F4)** Tiptronic transmission
- (G1)** Borg Warner Auto 1981 on, ID numbers 78DA-7000CA, 78DA-8000DA, 80BA-8000AA may use ATF DX-II, Ford C-4 Code C19B from 1980 use ATF DX-II
- (G2)** Shift Command transmission initial refill 3.0L, then top up to L mark. BW 7L dry fill, Torque Command 3.8L initial refill
- (G3)** If limited slip differential fitted use Transaxle 75 plus 150ml Penrite Limslip Additive 7098 or use 100% SIN Gear Oil 75
- (G4)** Power operated hood reservoir (if fitted) use PAS Fluid
- (H1)** Check under bonnet label - some transmissions may require ATF 33
- (H2)** Toyoglide use ATF 33 (4.7L), Borg Warner use ATF DX-II (6.4L)
- (H3)** If ZF 6 speed 6 HP26 auto use ATF DX-VI.
- (H4)** Sole recommendation for engine
- (I1)** C3 81DT-7000-AJA-on (red dipstick/tube) 1981 approx on, use ATF DX-II
- (I2)** 2 Speed auto use ATF DX-II, 1968-1970 import use ATF 33, 1970 Aust BW35 use ATF DX-II
- (I3)** Hydraulic system/Cabriolet top actuation use Penrite SSF.
- (J1)** If limited slip differential fitted, use Limslip 90
- (J2)** Use Hypoid 80W-90 if auto. Full time 4WD use HPR 10
- (J3)** Hydraulic Shift Mechanism (ASM) use Penrite SSF
- (J4)** Shiftmatic transmission use Manual Gear Oil 75
- (K1)** If limited slip differential fitted use SIN Gear 75
- (K2)** Model 20, 300 (80-83) use Hypoid 80W-90, Model 208, 300 (84- on), Quadratrac II, Selectrac, Commandrac use Manual Gear Oil 75, Quadratrac I use SIN Gear Oil 80
- (K3)** 5 Speed MB autos requiring MB236.10 use ATF BMW.
- (K4)** If limited slip differential fitted use SIN Gear Oil 80
- (L1)** If limited slip differential fitted, refer to dealer
- (L2)** Combined with Crankcase
- (L3)** Braking system use Penrite SSF
- (L4)** 4 speed 5.0L, 5 speed 6.0L, 6 speed 5.7L
- (M1)** Imported 2-3 speed use ATF 33, Aust production 3 speed use ATF DX-II . From late 1983/early 1984 check dipstick on imported transmissions - if marked with Dexron II use ATF DX-II, else use ATF 33
- (M2)** LPG or Dual Fuel use HPR GAS
- (M3)** If VW 2000 specified use LHM Plus, else use Penrite SSF
- (M4)** E-gear system use LHM plus
- (N1)** Aust production and Borg Warner 3 speed use ATF DX-II, Aisin Warner use ATF 33
- (N2)** LPG or Dual Fuel use HPR GAS 10
- (N3)** Brakes use SIN Brake Fluid
- (N4)** May also use ATF Synthetic in BTR 4 speed automatics
- (O1)** Borg Warner 55 (3 speed) use ATF 33, Aisin Warner (4 speed) use ATF DX-II
- (O2)** T-56 transmission use Manual Gear Oil 70 (3.9L), Aisin 6 speed use SIN Manual Trans, (1.8L)
- (O3)** Power steering use ATF Top Up/Power Steering Fluid. Electro-power steering does not require fluid
- (O4)** Salisbury/Banjo type uses 2.0L
- (P1)** C4 use ATF 33, C5 or C6 use ATF DX-II
- (P2)** Mechanical Transmission/differential specifying GL-5 use SIN Gear 75, if GL-4/C4 75W-85 specified use SIN Manual Trans
- (P3)** Steering Rack use Hypoid 80W-90
- (P4)** 6 speed manual use SIN Manual Trans
- (Q1)** Transfer case NPG208 use ATF DX-II or NP205 use Euro Truck 25/USA Truck 25
- (Q2)** 2.6E 93-95 and 90 Quattro 20V with central hydraulic system including power steering use LHM Plus
- (Q3)** Selespeed (electro-hydraulic) control unit use LHM Plus (0.6L)
- (R1)** Mazda M50D use ATF DX-II (3.3L), New Process use HPR 30/HPR GAS/HPR DIESEL (3.4/3.1L)
- (R2)** ZF 4HP and 5HP autos specifying LT71141, MB236.11 or LA2634 use ATFBMW. 6 speed, use ATF DX-VI, 7 speed autos, refer to dealer
- (R3)** Electrohydraulic power steering use Penrite SSF
- (R4)** If fitted with DPF use only HPR 0
- (S1)** Add one bottle of Limslip Additive 7098 with refill if NOT using Penrite SIN Gear Oil 80
- (S2)** Midland 5 speed GS5-65BN/SH (R65) and Getrag 6 speed GS6-85 BG/DG to 7/04 use Manual Gear Oil 75. 5 speed Getrag and 8/04 on, use Manual Gear Oil 70.
- (S3)** Level control/Suspension requiring MB 343.0 use Penrite MB 15. For MB 345.0 use Penrite SSF
- (S4)** Automated manual hydraulic circuit use ATF Synthetic, 0.6L.
- (T1)** Differential in vehicles with supercharged engine refer to AEC
- (T2)** 4 speed auto use ATF 95LE, 5 speed auto use ATF BMW
- (T3)** Automated manual
- (U1)** DSG (and other automated manual) transmission use ATF BMW, for conventional 6 speed manual use Manual Gear Oil 70
- (U2)** High performance models can use Manual Gear Oil 75
- (U3)** Sequential gearbox
- (W)** Overdrive use Manual Gear Oil 80
- (X1)** Differentials for auto models use ATF DX-II
- (X2)** Suspension system, plastic reservoir use LHM Plus, metal reservoir use Brake Fluid 525 plus 2% natural castor oil (RR363)
- (X3)** ACE system use Penrite PAS Fluid
- (Y1)** Filled for life
- (Y2)** CVT refer to dealer
- (Y3)** Self levelling suspension and power steering use Penrite PAS Fluid
- (Z1)** B4 and GT SIN Gear 75 recommended
- (Z2)** Steering rack use Hypoid 85W-140
- (Z3)** If towing use SIN Gear Oil 80



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