8100 E-tech 0W-40

Gasoline and Diesel engine oil

100% Synthetic – Ester Based

TYPE OF USE

Specifically designed for powerful and recent cars, diesel direct injection or gasoline engines and catalytic converters.
Recommended for Audi TT and S3 and all W engines from Volkswagen group.
Suitable for leaded or unleaded gasoline, Diesel fuels and LPG.

PERFORMANCE

STANDARDS	- ACEA A3 / B3 / **B4**
APPROVALS	API SJ / CF
	VW 502 00 / 505 00 / **503.01 - Mercedes Benz 229.3 -** Porsche

This 100% synthetic engine oil has been formulated, developed and tested according to the most recent technical requirements. It largely exceeds the stringent specified engine performance limits required by the European and US car manufacturers.
** The performance **ACEA B4** request an outstanding detergent/dispersent power and a better viscosity increase resistance due to soot needed for a perfect lubrication of last generation Direct Injection Diesel engines (exception for VW unit injector engines asking for MOTUL 6100 5W-40 VW 505 01)*
** The **VW 503.01** standard requires at the same time low volatility, high efficiency lubricant, friction reduction, high resistance at high temperature met in modern engines to allow extended drain intervals (computer on board).*
** The standard MB 229.3 is more stringent than 229.1 in terms of ageing resistance (extended drain interval : computer on board), detergent / dispersent power (see ACEA B4) and requests fuel economy performance : 1.2% fuel economy improvement versus reference 15W-40.*

RECOMMENDATION

Drain interval : refer to manufacturers' recommendations and tune to your own use.
MOTUL 8100 E-tech 0W-40 can be mixed with synthetic or mineral oils.

PROPERTIES

Viscosity grade	SAE J 300	**0W-40**
Density at 15°C (59°F)	ASTM D1298	0.861
Viscosity at 100°C (212°F)	ASTM D445	13.3 mm²/s
Viscosity at 40°C (104°F)	ASTM D445	73.2 mm²/s
Viscosity index	ASTM D2270	186
Pour point	ASTM D97	-60°C / -76°F
Flash point	ASTM D92	226°C / 438°F
TBN	ASTM D 2896	10.8 mg KOH/g

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