



# TEKMA NORMA monograde

Lubricant for Diesel engine

4 Viscosities: SAE 10W / 20W / 30 / 40

## TYPE OF USE

SAE 30 and 40 : All Diesel engines naturally aspirated or Turbocharged : Trucks, Bulldozers, Construction machinery, Generators, Buses, Farm machinery, Marine engines...  
Also suitable for hydraulic systems, torque converters (SAE 10W, 20W) and mechanical transmissions (SAE 30, 40) when an engine oil is recommended by manufacturers.

## PERFORMANCES

### SAE 30 and 40 :

STANDARDS : API CF-4 / CF - API CE, CD / SF - CCMC D-4  
MERCEDES-BENZ page 227.0

### SAE 10W :

STANDARDS : API CF / SF

SPECIFICATIONS : Zinc content > 900 ppm as required by CATERPILLAR for hydraulic systems.

### SAE 20W :

STANDARDS : API CD / SF

Ensures engine protection and life time owing to piston groove deposits reduction.  
High dispersant level : reduce soot build up and oil filter plugging risk.  
Excellent bore polishing protection.  
Anti-oxidation, Anti-corrosion, Anti-rust, Anti-foam.

## RECOMMENDATIONS

Drain interval : refer to manufacturers' recommendations and tune to your own use.  
Can be mixed with synthetic or mineral oils.

## PROPERTIES

	SAE J300	10W	20W	30	40
Viscosity grade	ASTM D1298	0.873	0.880	0.881	0.892
Density at 15°C (59°F)	ASTM D445	29.3 mm <sup>2</sup> /s	57.4 mm <sup>2</sup> /s	96.8 mm <sup>2</sup> /s	137 mm <sup>2</sup> /s
Viscosity at 40°C (104°F)	ASTM D445	5.3 mm <sup>2</sup> /s	8.1 mm <sup>2</sup> /s	11.5 mm <sup>2</sup> /s	14.4 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D2270	114	108	106	104
Viscosity Index	ASTM D92	224°C	230°C	236°C	224°C
Flash point	ASTM D97	-30°C	-30°C	-27°C	-27°C
Pour point	ASTM D2896	8.7	6.1	10.6	10.6
TBN (mg KOH/g)					

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are not definitive from the order which is subject to our general conditions of sale and warranty. - Made in France

MOTUL . 119 Bd Félix Faure - 93303 AUBERVILLIERS CEDEX - BP 94 - Tel 33 1 48 11 70 00 - FAX 33 1 48 33 28 79 . Site Web : www.motul.fr

3232/29/

34/40

08/04