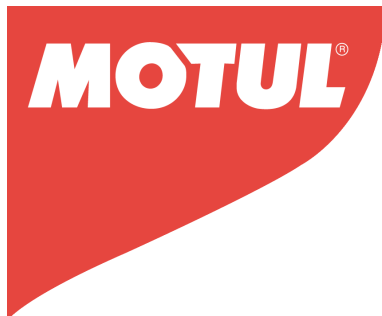




TEKMA OPTIMA 5W-30

Lubricant for Turbocharged Diesel engine

Fully Synthetic

Long Drain - Fuel economy

TYPE OF USE

Suitable for the latest generation of low emissions and high-power turbocharged Diesel engines (Euro II, Euro III, Euro VI, Euro V or Euro VI), fitted with EGR: Trucks, Buses, etc...

Fuel economy: up to 1.5% compare to a viscosity grade 15W-40 lubricant.

Specially recommended for recent fleet, with high technology engines and with Long Drain Intervals.

Not suitable for certain engines, if any doubt, refer to the owner manual.

PERFORMANCE

STANDARDS	ACEA E4 / E7 (Replaces E5 and E3)
APPROVALS	MACK EO-N MB-Approval 228.5, MB-Approval 235.28 RENAULT VI RLD-2 VOITH Class B VOLVO VDS-3
PERFORMANCES	DAF Extended Drain DEUTZ DQC-IV FORD WSS-M2C-212-A1 MAN M3277 MTU Type 3 SCANIA LDF-3

Allows Fuel consumption reduction.

Easy starts at cold temperature, and reduces wear at start up.

Ensures engine protection and longevity:

- Dispersant and anti-oxidation properties.
- Outstanding Anti-Wear level: protection against bore polishing.
- Outstanding detergency level: piston cleanliness and piston groove deposits control.
- Anti-corrosion, Anti-rust, Anti-foam.

RECOMMENDATIONS

Oil change: according to manufacturer's recommendations (engine type, service).

We advise to scrupulously respect manufacturer's oil drain intervals.

PROPERTIES

Viscosity grade	SAE J300	5W-30
Density at 20°C (68°F)	ASTM D1298	0.856
Viscosity at 40°C (104°F)	ASTM D445	72.4 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	12.1 mm ² /s
Viscosity index	ASTM D2270	163
Flash point	ASTM D92	225°C / 437°F
Pour point	ASTM D97	-42°C / -44°F
Sulfated ash	ASTM D874	1.8% weight
TBN	ASTM D2896	15.3 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. Web Site: www.motul.com