

DIESEL TURBO THPD 15W40



AUTOMOTIVE

Lubricants

Description

Top High Performance Diesel (THPD) lubricant oil designed to meet the requirements of the most demanding latest generation diesel engines. It exceeds traditional SHPD performance levels. A product specifically designed for the most modern vehicles that require ACEA E7, API CI-4 lubricants, it is especially suitable for those that must comply with EURO 4 and EURO 3 standards according to manufacturer's specifications.

Properties

- Can be used when biodiesel is used as a fuel, following the recommended change periods established by the manufacturers.
- Multi-grade oil suitable for all weather conditions. Excellent pumping on ignition.
- High dispersing detergent power that assures total cleaning of engine elements. Exceptional soot dispersion capacity, which makes it especially recommended for engines that incorporate EGR type emission reduction systems.
- Its selected components endow it with enhanced shearing resistance, maintaining its design viscosity during the life of the oil.
- Oil designed to comply with contaminating emission reduction standard Euro 4 and previous, which also increases performance compared to traditional heavy diesel oils.
- Depending on service conditions and EURO 3 engine type, this product can prolong the oil change period, provided the recommendations of the engine manufacturer are followed.
- Its modern formulation endows this oil with magnificent antiwear properties; it is specially designed to protect the compressor turbo.

Quality Levels

- ACEA E7/E5
- MAN 3275-1
- MACK EO-M +
- API CI-4/CH-4/SL
- RVI RLD/RLD-2
- CUMMINS 20076/20077/20078
- MB 228.3
- VOLVO VDS-3
- DETROIT DIESEL 93K215
- CAT ECF-1-a/CAT ECF-2

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 12. September 2013.

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Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			15W40
Density at 15 °C	g/mL	ASTM D 4052	0.887
Viscosity at 100 °C	cSt	ASTM D 445	14.5
Viscosity at 40 °C	cSt	ASTM D 445	108
Viscosity at -20 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	141
Flash point, open cup	°C	ASTM D 92	215 min.
Pour point	°C	ASTM D 97	-27 max.
T. B. N.	mg KOH/g	ASTM D 2896	10.0
Bosch Injector Shearing: Viscosity at 100 °C after 90 cycle shearing	cSt	CEC L-14-A-93	12.5 min.
Noack Volatility, 1hr at 250 °C	% in weight	CEC-L-40-93	13% max.

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