

# DIESEL TURBO THPD 15W-40



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 III, EURO IV or EURO V 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 IV and previous, which also increases performance compared to traditional heavy diesel oils.
- Depending on service conditions and EURO III 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, Approvals and Recommendations

- ACEA E7/E5
- MAN 3275-1\*
- MACK EO-N\*
- API CI-4/CH-4/SL\*
- RVI RLD/RLD-2\*
- CUMMINS 20076/20077/20078
- MB 228.3\*
- Deutz DQC II-10\*
- VOLVO VDS-3\*
- DETROIT DIESEL 93K215\*
- CAT ECF-1-a/CAT ECF-2
- Global DHD-1

\*Formal approval

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 16. May 2020.

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## Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			15W-40
Density at 15 °C	g/mL	ASTM D 4052	0.882
Viscosity at 100 °C	cSt	ASTM D 445	14.7
Viscosity at 40 °C	cSt	ASTM D 445	108
Viscosity at -20 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	137
Flash point, open cup	°C	ASTM D 92	236
Pour point	°C	ASTM D 97	-27 max.
T. B. N.	mg KOH/g	ASTM D 2896	10.5
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.

The above mentioned characteristics are typical values and should not be considered product specifications.

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