

DIESEL TURBO THPD 10W40

AUTOMOTIVE

Lubricants



Description

THPD (Top High Performance Diesel) synthetic lubricant oil designed to meet the most demanding requirements for next generation EURO 3, EURO 4 and EURO 5 diesel engines. Product specifically designed for the most modern vehicles requiring ACEA E7, API CI-4 lubricants. Its carefully prepared formula enables a longer oil change period.

Properties

- Can be used when biodiesel is used as a fuel, following the recommended change periods established by the manufacturers.
- Multigrade oil encompassing a wide range of temperatures; very stable and excellent shearing resistance, it maintains its design viscosity during the whole life of the oil.
- Great detergent dispersant power, ensuring total cleanliness of the engine elements. Exceptional soot dispersion capacity, which means it is specially recommended for engines fitted with EGR-type emission reduction systems.
- It prevents casing polishing of cylinders, which is so typical of large horsepower supercharged engines.
- Prevents the formation of lacquers and varnishes thanks to its dispersant additives.
- Its alkaline reserve (TBN) enables it to protect the engine against corrosion by neutralising the acids formed in the combustion of diesel with different sulphur contents.
- According to service conditions and the type of EURO 3, EURO 4 and EURO 5 engine, this product may prolong the oil change period, though the engine manufacturer's recommendations must always be followed.

Quality Levels

- ACEA E7
- MAN 3275
- MACK EO-N
- API CI-4/SL
- CUMMINS CES 20077/20076
- CATERPILLAR ECF-2
- MB 228.3
- VOLVO VDS-3
- DETROIT DIESEL DDC 93K215
- MTU Type 2
- DEUTZ DQC III-10
- RENAULT RLD-2/RLD

A safety information file is available on request.

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Technical data sheet for Lubricants. Revision 6. October 2011.

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Technical specifications

	UNIT	METHOD	VALUE
SAE GRADE			10W40
Density at 15 °C	g/mL	ASTM D 4052	0.873
Viscosity at 100 °C	cSt	ASTM D 445	14.6
Viscosity at 40 °C	cSt	ASTM D 445	90
Viscosity at -25 °C	cP	ASTM D 5293	7000 max.
Viscosity index	-	ASTM D 2270	150
Flash point, open cup	°C	ASTM D 92	225
Pour point	°C	ASTM D 97	-30
T. B. N.	mg KOH/g	ASTM D 2896	10
Sulphated ashes	% in weight	ASTM D 874	1.3
Bosch Injector: Viscosity at 100 °C after 90 cycle shear	cSt	CEC L-14-A-93	12.5 min.

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