



DIESEL TURBO THPD 10W40

DIESEL

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 level

- 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

Technical characteristics

	UNIDAD	METODO	VALOR
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 maximum
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 Shearing: Viscosity at 100° C after 90 cycle shear	cSt	CEC L-14-A-93	12.5 minimum

■ Hazard identification

This product is not classified as toxic or hazardous under current legislation.

■ Handling

Minimum precautions should be taken to avoid prolonged contact with the skin. The use of gloves, visors or glasses is recommended to avoid splashes.

■ Health and Safety Hazards

Inhalation: Given that it is not a particularly volatile product, the risk of inhalation is minimal.

Ingestion: Do not induce vomiting. Provide water. Seek medical advice.

Contact with the skin: Wash with plenty of water and soap.

Eyes: Wash thoroughly with water.

General measures: Seek medical advice.

■ Fire-fighting measures

No special measures required.

Fire-extinguishing measures: Foams, dry chemicals, CO₂, water spray. Do not apply the jet of water directly as this could cause the product to disperse.

■ Environmental precautions

Danger of physical pollution if spilt (water, coastlines, soil, etc.) due to its floatability and oily consistency that may harm flora and fauna on contact. Avoid material getting into water outlets.

Decontamination and cleaning: Treat like an accidental oil spill. Prevent dispersion using mechanical barriers and remove by physical or chemical means.

A safety information file is available on request.

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Unless otherwise indicated, the figures cited in technical characteristics should be considered typical

Technical datasheet for Lubricants. Review 6. October 2011.