



DIESEL TURBO THPD 15W40

DIESEL

■ Description

THPD (Top High Performance Diesel) lubricant oil designed to meet the most demanding requirements for diesel engines. This product is 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.
- 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.
- This product may prolong the oil change period, though the engine manufacturer's recommendations must always be followed.

■ Quality levels

- ACEA E7/E5
- API CI-4/CH-4/SL
- MB 228.3
- MAN 3275
- MACK EO-M +
- VOLVO VDS-3
- GLOBAL DHD-1
- CUMMINS 20076/20077/20078
- RENAULT VI RLD/RLD-2

■ Technical characteristics

	UNIT	METHODE	VALUE
Grade SAE			15W40
Density @ 15°C	g/cm ³	ASTM D 4052	0.8757
Viscosity @ 100°C	cSt	ASTM D 445	14.5
Viscosity @ 40°C	cSt	ASTM D 445	104.0
Viscosity @ -20°C	cP	ASTM D 5293	7000 max
Viscosity Index	-	ASTM D 2270	144
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	9.8

■ Hazard identification

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

■ Handling

Certain minimum precautions to avoid prolonged contact with the skin should be taken when handling. The use of gloves, visors or masks is recommended in order to avoid splashes.

■ Health and Safety Hazards

Inhalation: Low-volatility product, therefore the risk from inhalation is minimal.

Ingestion: Do not provoke vomiting. Drink water. Seek medical assistance.

Contact with skin: Wash with abundant water and soap.

Eyes: Wash with abundant water.

General measures: Seek medical assistance.

■ Fire-fighting measures

No special measures are required.

Fire control: Foams, dry chemicals, CO₂, water spray. Do not apply water jet directly as this may cause the product to spread.

■ Environmental precautions

Danger of physical contamination in case of spillage (watercourses, coastal areas, the ground, etc.) due to its floating capacity and oily consistency, which may cause damage to fauna and flora with which it comes into contact. Avoid its penetration into water containers or outlets.

Decontamination and cleaning: Treat as an accidental oil spillage. Avoid spreading by using mechanical barriers and eliminate using both physical and chemical means.

A safety information file is available on request.

This PDS is available at www.repsoloil.com.my.

For more information about Repsol please visit www.repsol.com.

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