



DIESEL SHPD 15W40

DIESEL

■ Description

Very high performance diesel engine oil specially formulated to deliver high performance in both modern and older diesel engines. This product contains excellent dispersant technology to resist oil thickening caused by soot and keeps particles in suspension to extend filter life. It is recommended for high speed turbocharged diesel engines, to use in a wide range of heavy duty applications such as construction, agricultural industries, mining and quarrying. It meets the requirements of most of the demanding key OEM's specifications.

■ Properties

- Excellent thermal and oxidation stability to reduce oil ageing.
- Outstanding TBN retention to help to improve soot handling.
- Very good shear stability to retain viscosity at high temperature and pressure.
- Its specially chosen additives allow extend engine life enhancing wear, corrosion and rust protection.

■ Quality levels

- API CH-4
- MB 228.3
- CUMMINS 20071/72/76/77/78
- VOLVO VDS-2 & VDS-3
- ACEA E3-96/ E5-02
- MACK EO-M Plus
- MAN 3275
- GLOBAL DHD-1

■ Technical specifications

	UNIT	METHODE	VALUE
Grade SAE			15W40
Density @ 15°C	g/cm ³	ASTM D 4052	0.876
Viscosity @ 100°C	cSt	ASTM D 445	13.85
Viscosity @ 40°C	cSt	ASTM D 445	100.0
Viscosity @ -20°C	cP	ASTM D 5293	7000 max
Viscosity Index	-	ASTM D 2270	140
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.