

# ERTOIL TURBO DIESEL SHPD 15W40

## DESCRIPTION



Very high performance oil for heavy diesel applications. Thanks to its present "anti-soot" formulation, it surpasses the existing SHPD levels when used in EURO IV motors without DPF and earlier ones using petrol with high or low sulphur levels.

### Applications

- Designed for use in heavy diesel applications, in both normally aspirated and turbocharged engines.
- In light, medium and heavy vehicles which require a lubricant oil of "higher performance" against the formation of soot and thickening of the oil in the crankcase.
- When long oil-changing intervals are required.
- In public works and mining when a low consumption lubricant of "higher quality" than is usually recommended for this application.
- Particularly suitable for vehicles which meet the most recent emission standards EURO IV (which use SCR systems with EcoBlue® or EGR) and EPA 2007.

### Performance

- Considered to be of "universal" quality, it meets and surpasses the specifications established by the main European and American motor manufacturers.
- Maximum protection in "polishing liners" and reduction of wear in all parts of the engine, helping to reduce wear in all the parts of the engine and to keep it in perfect conditions throughout its useful life.
- Valid for all weather conditions, permitting excellent pumpability from the time of starting up, thus reducing severe initial wear.
- Because of its high level of detergent and dispersance, it prevents the formation of sludge in the crankcase and keeps the engine clean.

## SPECIFICATIONS

· ACEA E7-08	· ACEA E5-02	· API CH-4	· MB 228.3
· MAN 3275-1	· Volvo VDS-2	· MTU Type 2	· RVI RLD-2
· Cummins CES 20076/20077	· CAT ECF-1a	· ZF TE-ML 04C-07C	· Mack EO-M Plus

## TYPICAL CHARACTERISTICS

CHARACTERISTICS	ASTM STANDARD	ERTOIL TURBO DIESEL SHPD
<b>SAE Grade</b>	<b>---</b>	<b>15W-40</b>
Density 15° C, kg/l	D-4052	0.886
V/A flash point, °C	D-92	>210
Pour point, °C	D-97	-33
Viscosity at 100°C, cSt	D-445	14.50
Viscosity at 40°C, cSt	D-445	109.20
Viscosity index	D-2270	136
Apar viscosity. CCS -20°C	D-5293	<7000
Base number, mg KOH/g	D-2896	10.2

## HEALTH & SAFETY and ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

The typical values of the characteristics appearing in the table are average values given for guidance purposes. These values may be modified without any prior warning.