

# ERTOIL TURBO DIESEL SHPD 15W40

## DESCRIPTION



Oil for high performance heavy diesel applications, exceeding their current anti-soot formulation at existing SHPD levels when used in Euro V without DPF and earlier engines using diesel fuels with high or low sulfur contents.

### Applications

- Designed for use in heavy diesel applications, both in naturally-aspirated and turbocharged engines.
- For light, medium, and heavy vehicles requiring high-performance lubricant oil protecting against soot formation and thickening of the oil in the sump.
- When long oil changes are necessary.
- In Public Works and Mining, when a lubricant is needed that is low consumption and higher quality than those normally recommended for this application.
- Especially suitable for vehicles that meet the latest Euro V emission standards (using SCR systems with EcoBlue® or EGR) and EPA 2007.

### Product performance

- Considered "universal" quality, it meets and exceeds the specifications set by the main engine manufacturers in both Europe and the US.
- Maximum protection in "liner polishing" and reduction of wear in all parts of the engine, helping to keep it in perfect condition throughout its lifespan.
- Valid for all weather conditions, allowing excellent pumpability from the start, reducing severe initial wear.
- Due to its high level of detergency and dispersancy, it prevents sludge from forming in the crankcase, keeping the engine clean.

## QUALITY LEVELS

- |                     |                            |              |                 |
|---------------------|----------------------------|--------------|-----------------|
| · ACEA E7           | · Volvo VDS-3              | · API CI-4   | · MB 228.3      |
| · MAN M 3275-1      | · CAT ECF-2                | · MTU Type 2 | · Renault RLD-2 |
| · Cummins CES 20078 | · Detroit Diesel DDC93K215 | · Mack EO-N  |                 |



## TYPICAL CHARACTERISTICS

| CHARACTERISTIC         | UNITS   | METHOD      | ERTOIL TURBO DIESEL SHPD 15W40 |
|------------------------|---------|-------------|--------------------------------|
| <b>SAE Grade</b>       |         | ---         | <b>15W-40</b>                  |
| Density, 15°           | Kg/l    | ASTM D-4052 | 0.886                          |
| Flash point            | °C      | ASTM D-92   | 214                            |
| Pour point             | °C      | ASTM D-5949 | -42                            |
| Viscosity at 100°C     | cSt     | ASTM D-445  | 13.7                           |
| Viscosity at 40°C      | cSt     | ASTM D-445  | 99.1                           |
| Viscosity index        | -       | ASTM D-2270 | 139                            |
| CCS Viscosity at -20°C | cP      | ASTM D-5293 | 4670                           |
| Base number            | mgKOH/g | ASTM D-2896 | 12.2                           |

## ENVIRONMENT, HEALTH and SAFETY

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.