

# Turbofleet SHPD E11 15W-40

Semi-Synthetic heavy duty "low-SAPS" diesel engine oil.

Previously Turbofleet SHPD E9 15W-40

## Description

Turbofleet SHPD E11 15w-40 is the very latest, new generation Super High-Performance heavy-duty diesel engine oil formulated to meet the latest Euro IV, Euro V and Euro VI low emissions requirements. This advanced lubricant utilises the latest "low-SAPS" additive technology helping protect sensitive after-treatment systems found in many modern heavy-duty vehicles.

## Application

Turbofleet SHPD E11 15w-40 is suitable for on- and off-highway heavy-duty vehicles requiring a low SAPS engine oil covering a variety of applications including OEMs (Original Equipment Manufacturers) such as Volvo, Scania, Renault, Mercedes, DAF and MAN.

With its "low-SAPS" (low sulphated ash, phosphorus and sulphur) technology, Turbofleet SHPD E11 15w-40 can be used in Euro IV, Euro V and Euro VI diesel engines with aftertreatment systems.

Extended drain intervals can be applied.

## Specifications

- |                  |                               |               |                |
|------------------|-------------------------------|---------------|----------------|
| • API            | CI-4/ CI-4 plus/CJ-4/CK-4/ SN | • MAN         | M 3575/ M 3775 |
| • ACEA           | E11, E9, E7                   | • Mack        | EO-S 4.5       |
| • Mercedes Benz  | 226.9                         | • Renault     | RGD/ RLD-3     |
| • Cummins        | CES 20081/ CES 20086          | • Caterpillar | ECF-3          |
| • Detroit Diesel | DFS 93K218/ DFS 93K222        | • Volvo       | VDS-4/ VDS 4.5 |

## Meets the Following Specifications

- Reduced ash formulation protects diesel particulate filters.
- Prolonged oil drain capabilities.
- Excellent viscosity stability.
- Exceptional engine protection after cold start.
- Exceptional detergent, dispersant and anti-wear additives offering improved wear protection and soot dispersancy compared with previous specifications.

## Typical Inspection Data

Property	Method	Units	Inspection Data
Viscosity Grade	-	-	SAE 15w-40
Density at 15°C	D1298	kg/m <sup>3</sup>	0.874
Viscosity at 40°C	D 445	mm <sup>2</sup> /s	113
Viscosity at 100°C	D 445	mm <sup>2</sup> /s	15.0
Viscosity Index	D 2270	-	138
Flash Point	D 92	°C	238
Pour Point	D 97	°C	-30
T.B.N	D2896	mgKOH/g	10
Sulphated Ash	D874	% m/m	1.0

## Health and Safety

Please refer to the relevant Trent Material Safety Data Sheet.

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technical data