



# ENGINE OIL SHPD

# 10W-40

## Product Description:

**ENGINE OIL SHPD 10W-40** is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4, Euro-5 and Euro-6 engines equipped with a Diesel Particulate Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

**ENGINE OIL SHPD 10W-40** is formulated with high refined synthetic base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

**ENGINE OIL SHPD 10W-40** meets the following performance criteria:

|                 |  |   |   |
|-----------------|--|---|---|
| <b>Approved</b> | <b>Volvo VDS 4.5</b>   | <b>Mack EOS-4.5</b>   | <b>Renault RLD-3</b>  |
| <b>Meets</b>    | <b>API CK-4</b><br><b>MB 228.51</b><br><b>DDC93K222</b><br><b>MTU Type 3.1</b> | <b>ACEA E6/E9</b><br><b>MAN M3775</b><br><b>CAT ECF-3</b><br><b>IVECO</b> | <b>MB 228.31</b><br><b>Cummins CES 20086</b><br><b>Deutz DQC IV-18-LA</b><br><b>DAF</b> |



| Property              | Unit               | Test Method | Typical Value |
|-----------------------|--------------------|-------------|---------------|
| SAE Grade             |                    | SAE J300    | 10W-40        |
| Density@15°C          | kg/m <sup>3</sup>  | ASTM D4052  | 859           |
| Kin. Viscosity @40°C  | mm <sup>2</sup> /s | ASTM D7042  | 98            |
| Kin. Viscosity @100°C | mm <sup>2</sup> /s | ASTM D7042  | 15.5          |
| Viscosity Index       |                    | ASTM D2270  | 168           |
| Viscosity CCS @-25°C  | cP                 | ASTM D5293  | 3950          |
| Flash Point COC       | °C                 | ASTM D92    | >201          |
| Pour Point            | °C                 | ASTM D7346  | -36           |
| Total Base Number     | mgKOH/g            | ASTM D2896  | 10.0          |
| Sulphated Ash         | %Wt                | ASTM D874   | 1.00          |

**Product Nr:** 42460  
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