

- Certificate / ProductInformation -

**RAVENOL Performance Truck SAE 10W-40**

Art. 1122106

TRUCK

**Description:**

**RAVENOL Performance Truck SAE 10W-40** is semi-synthetic multi-grade diesel engine oil for highly loaded diesel engines based on MC-systems.

**RAVENOL Performance Truck SAE 10W-40** is low-friction long-life engine oil for all kind of diesel engines with and without turbocharging in trucks, buses and machinery. Suitable for the longest oil change intervals.

**Application Directions:**

**RAVENOL Performance Truck SAE 10W-40** has a higher performance than conventional high-performance engine oils. International such oils are called UHPD oils (UHPD = Ultra High Performance Diesel Oil).

Regardless of the particular mileage, older diesel engines on **RAVENOL Performance Truck SAE 10W-40** should be changed without rinsing.

**Quality Classification:**

**RAVENOL Performance Truck SAE 10W-40** is approved, tried and tested for aggregates specifying:

Specifications: API CI-4/CF, ACEA E4/E7, ACEA A3/B4

License: API CI-4

Approvals: MB-Approval 228.5, MAN M 3277, MTU Type 3, VOLVO VDS 3, Renault RVI RXD/RLD-2, TEDOM 258-4 (61-0-0258), DEUTZ DQC III-10, SCANIA LDF-2

Recommendations: DAF HP1/2, SCANIA LDF-3, MACK EO-M Plus, Cummins CES 20076, -77, -78, JASO DH-1 (JASO M355:2000), Voith Retarder B, Global DHD-1

**Technical Characteristics:**

**RAVENOL Performance Truck SAE 10W-40** offers:

- High wear protection even under constant load at full throttle
- Reduced fuel consumption by low-friction characteristics
- Quick oil circulation reduces cold-start and warm-up wear
- Protection against bore polishing of cylinder paths
- Reduction of exhaust particles
- Protects against corrosion, even when using diesel fuels with high sulfur content
- Safe protection against deposits and sticking, both under extreme thermal loads and short haul
- Optimum compatibility with seal materials
- Environmentally friendly due longest oil change intervals and low evaporation losses
- Guaranteed extended drain intervals for the long-haul truck or transport

**Technical Values:**

| Characteristics           | unit               | data       | test according to |
|---------------------------|--------------------|------------|-------------------|
| <b>Colour</b>             |                    | dark brown | visual            |
| <b>Density</b> at 20 °C   | kg/m <sup>3</sup>  | 864        | EN ISO 12185      |
| <b>Viscosity</b> at 40 °C | mm <sup>2</sup> /s | 89,4       | DIN 51 562        |
| at 100 °C                 | mm <sup>2</sup> /s | 13,51      | DIN 51 562        |
| <b>Viscosity index VI</b> |                    | 153        | DIN ISO 2909      |
| <b>Flash point (COC)</b>  | °C                 | 228        | DIN ISO 2592      |
| <b>Pour point</b>         | °C                 | - 33       | DIN ISO 3016      |
| <b>TBN</b>                | mg KOH/g           | 13,2       | DIN ISO 3771      |
| <b>Sulphated ash</b>      | % wt.              | 1,5        | DIN 51 575        |

All indicated data are approximate values and are subject to the commercial fluctuations.

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.