



# RAVENOL Expert SHPD SAE 10W-40

**Kategorie:** Truck engine oil

**Artikelnummer:** 1122105

**Viscosity:** 10W-40

**Specification:** ACEA A3/B4, ACEA E4, ACEA E7, API CI-4, API SL

**Oil type:** Semi-synthetic

**Approvals:** API CI-4, Cummins CES 20077, Cummins CES 20078, Deutz DQC III-10, DTFR 15B110, Mack EOM-Plus, Mack EO-N, MTU Typ 2, Renault VI RLD-2, TEDOM 258-3 (61-0-0258), VOLVO VDS-3, YaMZ

**Recommendation:** Allison C4, Caterpillar TO-2, Cummins CES 20071, Cummins CES 20072, Cummins CES 20076, DAF, Global DHD-1, IVECO, MAN M 3275-1, MB 228.3, MB 229.1, Scania LDF, Voith Retarder B, VW 500 00, VW 505 00

**Application:** Truck, Agricultural machinery



**1L | 1122105-001**

**5L | 1122105-005**

**10L | 1122105-010**

**20L | 1122105-020**

**20L | 1122105-B20**

**60L | 1122105-060**

**60L | 1122105-D60**

**208L | 1122105-208**

**208L | 1122105-D28**

**1000L | 1122105-700**

**RAVENOL Expert SHPD SAE 10W-40** is a easy running engine oil for the use in heavily used induction motors, turbo diesel engines. Selected active ingredients ensure maximum engine cleanliness, even in short-haul traffic. The mixture of unconventional as well as HC basic oils, synthetic components and modern additives guarantees longest oil change intervals and a high corrosion protection at a low oil and fuel consumption.

**RAVENOL Expert SHPD SAE 10W-40** has an excellent flow behaviour even at low temperatures. The quick reach of critical lubrication points provides a considerable corrosion reduction during the warm-up period. Exclusive additives guarantee the best engine cleanness even at short distances.

## Application Note

**RAVENOL Expert SHPD 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.

## Characteristics

- Excellent detergent and dispersant characteristics
- Low evaporation
- A high ageing stability
- Protection of reflecting surface formation
- Very good cold start characteristics
- Reduces oil and fuel consumption

# Technical Product Data

| PROPERTY                | UNIT     | DATA  | AUDIT           |
|-------------------------|----------|-------|-----------------|
| Density at 20 °C        | kg/m³    | 866,0 | EN ISO 12185    |
| Colour                  |          | braun | VISUELL         |
| Viscosity at 100 °C     | mm²/s    | 14,2  | DIN 51562-1     |
| Viscosity at 40 °C      | mm²/s    | 93,5  | DIN 51562-1     |
| Viscosity Index VI      |          | 155   | DIN ISO 2909    |
| CCS Viscosity at -25 °C | mPa*s    | 6480  | ASTM D5293      |
| Pourpoint               | °C       | -36   | DIN ISO 3016    |
| Noack Volatility        | % M/M    | 7,3   | ASTM D5800      |
| Flashpoint              | °C       | 234   | DIN EN ISO 2592 |
| tbn                     | mg KOH/g | 11,0  | ASTM D2896      |
| Sulphated Ash           | %wt.     | 1,45  | DIN 51575       |

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