

-Certificate / ProductInformation-

RAVENOL Expert SHPD SAE 10W-40

Art. 1122105

SEMI SYNTHETIC

TRUCK

Description:

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 Directions:

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.

Quality Classification:

RAVENOL Expert SHPD SAE 10-40 is approved, tried and tested for aggregates specifying:

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

License: API CI-4

API CI-4 including: CH-4/CG-4/CF

Approvals: Cummins CES 20077, CES 20078; DEUTZ DQC III-10; MACK EOM-Plus, MACK EO-N;

MB-Approval 228.3, MB-Approval 229.1; MTU Type 2; Renault VI RLD-2;

TEDOM 258-3 (61-0-0258); VOLVO VDS-3; YaMZ

Recommendations: Allison C4; Caterpillar TO-2; Cummins CES 20071, -72, -76; DAF; Global DHD-1; IVECO; MAN M 3275-1; SCANIA LDF; Voith Retarder B; VW 500 00, 505 00

Technical Characteristics:

RAVENOL Expert SHPD SAE 10W-40 offers:

- 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

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Technical Values:

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m ³	866,0	EN ISO 12185
Colour		yellow brown	visual
Viscosity at 100°C	mm ² /s	14,2	DIN 51562-1
Viscosity at 40°C	mm ² /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	%wt.	7,3	ASTM D5800
Flashpoint	°C	234	DIN 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.