

Ravensberger Schmierstoffvertrieb GmbH
Postfach 1163
33819 Werther
Tel.: 05203/9719-0
Fax.: 05203/9719-40 / 41

- Certificate / ProductInformation-

RAVENOL Expert SHPD SAE 10W-40

Art. 1122105

Description:

RAVENOL Expert SHPD SAE 10W-40 is a easy running engine oil for the use in heavily used induction motors, turbo diesel engines as well as petrol engines. **RAVENOL Expert SHPD SAE 10W-40** is suitable for the use of a mixed car pool. 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.

Application Directions:

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.

Quality Classification:

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

Specifications: ACEA E4, E7, A3/B4

License: API CI-4/SL

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

Approvals: MB-Approval 228.3, MB-Approval 229.1, Cummins CES 20077, CES 20078, DEUTZ DQC III-10, MAN M 3275-1, VOLVO VDS-3, MACK EOM-Plus, MACK EO-N, Renault VI RLD-2, MTU Typ 2, TEDOM 258-3 (61-0-0258), YaMZ

Recommendations: Cummins CES 20071, -72, -76, SCANIA LDF, Global DHD-1
VW 500 00, 505 00, Caterpillar TO-2, Allison C-4, Voith Retarder B, IVECO, DAF

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

Technical Values:

Characteristics	unit	data	test according to	
Colour		yellow brown	visual	
Density	at 20°C	kg/m ³	868	EN ISO12185
Viscosity	at -25°C	mPa*s	<7000	DIN 51 377
	at 40°C	mm ² /s	92,0	DIN 51 562
	at 100°C	mm ² /s	13,7	DIN 51 562
Viscosity-Index VI	--	151	DIN ISO 2909	
Flash point (COC)	°C	214	DIN ISO 2592	
Pourpoint	°C	- 36	DIN ISO 3016	
TBN	mg KOH/g	11	DIN ISO 3771	
Sulphated ash	% wt.	1,3	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.

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