



# RAVENOL Expert SHPD SAE 5W-30

**Kategorie:** Truck engine oil

**Artikelnummer:** 1121104

**Viscosity:** 5W-30

**Specification:** ACEA A3/B4, ACEA E3, ACEA E5, ACEA E7, API CI-4, API SL

**Oil type:** Synthetic

**Recommendation:** Caterpillar ECF-1a, Caterpillar ECF-2, Cummins CES 20071, Cummins CES 20072, Cummins CES 20076, Cummins CES 20078, Detroit Diesel DDC 93K215, Deutz DQC III-10, DTFR 13D110 (MB 235.28), DTFR 15B110 (MB 228.3), DTFR 15B120 (MB 228.5), Global DHD-1, Mack EO-M Plus, Mack EO-N, MAN M 3275-1, MB 228.1, MB 228.3, MB 228.5, MB 229.1, MB 235.28, MTU Typ 2, Renault VI RLD-2, VOLVO VDS-3

**Application:** Truck, Agricultural machinery



1L | 1121104-001

5L | 1121104-005

10L | 1121104-010

20L | 1121104-020

20L | 1121104-B20

60L | 1121104-060

60L | 1121104-D60

208L | 1121104-208

208L | 1121104-D28

1000L | 1121104-700

**RAVENOL Expert SHPD SAE 5W-30** is a high-alloyed SHPD low-friction engine oil for commercial vehicles. Due to the formulation with synthetic base oils, the viscosity range 5W-30 could be realized.

**RAVENOL Expert SHPD SAE 5W-30** ensures a reliable cold start at low outside temperatures and full lubricity at high operating temperatures thanks to the SAE 5W-30 viscosity range. Friction losses and wear are reduced.

**RAVENOL Expert SHPD SAE 5W-30** was designed as SHPD engine oil (Super High Performance Diesel) for use in turbocharged and non-turbocharged engines.

## Application Note

**RAVENOL Expert SHPD SAE 5W-30** is a year-round high performance engine oil designed for the truck fleet and buses according to the specified specifications.

**RAVENOL Expert SHPD SAE 5W-30** is universally applicable in truck diesel engines with and without turbocharging. It can be used for EURO 4, EURO 5 and EURO 6 engines. Please follow the manufacturer's instructions.

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	851,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	12,2	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	74,2	DIN 51562-1
Viscosity Index VI		161	DIN ISO 2909
HTHS Viscosity at 150 °C	mPa*s	3,53	ASTM D5481
CCS Viscosity at -30 °C	mPa*s	6340	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	25.890	ASTM D4684
Pourpoint	°C	-42	DIN ISO 3016
Noack Volatility	% M/M	8,3	ASTM D5800
Flashpoint	°C	228	DIN EN ISO 2592
tbn	mg KOH/g	10,7	ASTM D2896
Sulphated Ash	%wt.	1,29	DIN 51575

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