



# RAVENOL Ultra Synthetik Truck SAE 5W-30

**Kategorie:** Truck engine oil

**Artikelnummer:** 1121102

**Viscosity:** 5W-30

**Specifications:** ACEA E11, ACEA E4, ACEA E6, ACEA E7, ACEA E8, ACEA E9, API CJ-4, API CK-4, API SN

**Oil type:** Synthetic

**Approvals:** Caterpillar ECF-3, Deutz DQC IV-18 LA, DTFR 15C100, DTFR 15C110, DTFR 15C120, Mack EOS-4.5, MAN M 3677, MTU Typ 3.1, Renault VI RLD-3, Scania LDF-4, VOLVO VDS-4.5

**Recommendations:** Cummins CES 20081, Cummins CES 20086, DAF PSQL 2.1E LD, Detroit Diesel Corporation (DDC) DFS93K218, Deutz TTCD Motors, DTFR 13D110 (MB 235.28), Ford WSS-M2C213 A1, IVECO 18-1804 TLS E6, JASO DH-2, Liebherr LH-00-ENG LA, MAN 3297-1, MAN 3691, MAN M 3271-1, MAN M 3477, MAN M 3575, MAN M 3777, MB 228.31, MB 228.51, MB 235.28, MTU Typ 2.1, Scania LowAsh, Voith Retarder B, VOLVO CNG

**Application:** Agricultural machinery, Truck

**RAVENOL Ultra Synthetik Truck SAE 5W-30** is a top quality synthetic fuel economy year-round multigrade diesel engine oil with increased TBN based on the latest additive technology combined with very special base oils.

This fuel saving lubricant has mainly been developed for heavy diesel engines even under the toughest operation conditions and all the year round use.

**RAVENOL Ultra Synthetik Truck SAE 5W-30** is suitable for application in engines with or without particle filters and exhaust catalysts. The SAE 5W-30 viscosity range ensures reliable cold starting at low ambient temperatures and full lubricity at high operating temperatures. The use of shearstable additives guarantees that the SAE grade 5W-30 is maintained throughout the entire oil change interval.

**RAVENOL Ultra Synthetik Truck SAE 5W-30** is developed as SHPD Motoroil (Super High Performance Diesel). Extended oil change intervals according to manufacturer's specifications.

## Application instructions

**RAVENOL Ultra Synthetik Truck SAE 5W-30** is a year round high performance motor oil, especially designed for economic use in exhaust-optimized engines with exhaust aftertreatment systems. Follow manufacturer's instructions.

## Characteristics

- Increased TBN
- High wear protection



10L | 1121102-010

20L | 1121102-020

20L | 1121102-B20

60L | 1121102-060

208L | 1121102-208

208L | 1121102-D28

1000L | 1121102-700

- Outstanding oxidation stability
- Excellent high temperature stability
- Outstanding detergent and dispersant properties
- Efficiency through low fuel consumption
- Long service life due to high oxidation stability
- Outstanding cold start behaviour, rapid engine oiling even at low temperatures
- Very good viscosity-temperature behavior
- Neutrality towards seals
- Low oil consumption due to the low evaporation loss through PAO and HC base oils

## Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		braun	VISUELL
Sulphated Ash	%wt.	0,97	DIN 51575
tbn	mg KOH/g	13,9	ASTM D2896
Viscosity at 100 °C	mm <sup>2</sup> /s	12,2	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	73,6	DIN 51562-1
Viscosity Index VI		164	DIN ISO 2909
CCS Viscosity at -30 °C	mPa*s	5900	ASTM D5293
Density at 20 °C	kg/m <sup>3</sup>	852,0	EN ISO 12185
Flashpoint	°C	232	DIN EN ISO 2592
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	21.500	ASTM D4684
Noack Volatility	% M/M	11,8	ASTM D5800
Pourpoint	°C	-45	DIN ISO 3016