

- Certificate / Product Information -

**RAVENOL UDT Ultra Duty Truck SAE 10W-30**

Art. 1121110

SYNTHETIC

TRUCK

**Description:**

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** is a synthetic fuel-saving "low SAPS" truck engine oil formulated using the latest additive technology with very particular base oils. It has been specially developed for diesel engines subjected to the toughest conditions in all seasons. It is extremely well suited to use in EURO 2, EURO 3, EURO 4, EURO 5 and EURO 6 engines in combination with diesel fuel with up to 500 ppm sulphur content.

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** can be used in modern trucks and "Tier 4" off-road vehicles and was designed as a SHPD engine oil (Super High Performance Diesel) for use in engines with and without a particle filter and catalytic converter and with specific requirements for Low SAPS technology. The product offers low sulphur, phosphorous and ash content.

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** has particularly high oxidation and shear stability as well as improved air-release properties, allowing it to fulfil and exceed the latest requirements in accordance with API CK-4.

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** offers reliable cold start performance at low outdoor temperatures and full lubricity at high operating temperatures. This reduces friction loss and wear and tear.

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** was licensed as the first European engine oil by the API with the specifications API CK-4 and API CJ-4.

The new API CK-4 specification is suitable for both current and older vehicles. It is backward compatible and can also be used for diesel fuels which contain up to 500 ppm of sulphur.

**Application Directions:**

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** is a high-performance engine oil which can be used all year round and which has been designed to meet the new exhaust gas emissions guidelines. It has been created for vehicles with exhaust gas recirculation systems. Extended oil change intervals in accordance with manufacturer instructions.

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** is particularly suitable for use in a mixed fleet including EURO 2, EURO 3, EURO 4, EURO 5 and EURO 6 engines and therefore offers the ideal solution to reducing the range of products needed. Please follow the manufacturer's recommendations!

**Quality Classification:**

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** is tried and tested is for aggregates specifying:

Specifications: API CK-4, API CJ-4, API CI-4, ACEA E6, E7, E9

License: API CK-4, API CJ-4

Approvals: MB-Approval 228.51, Volvo VDS-4.5, Renault VI RLD-3, Mack EOS-4.5

Recommendations: MTU Typ 3.1, Cummins CES 20081, Deutz DQC IV-10 LA, Detroit Diesel 93K218, Caterpillar ECF-3

**Technical Characteristics:**

**RAVENOL UDT Ultra Duty Truck SAE 10W-30** offers:

- Very stable and excellent viscosity behavior and high shear stability
- Fuel saving under all operating conditions
- Maintains the efficiency of the exhaust gas purification systems over a very long term
- Power losses caused by diesel particulate filters are prevented and a higher efficiency is achieved
- Low evaporation tendency resulting in low oil consumption
- Extended oil change intervals protect natural resources
- An excellent cold start behaviour
- Low SAPS = Low Sulphated ash, Phosphorous and Sulfur
- Can also be used in many commercial vehicles without diesel particulate filters

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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**Technical Values:**

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m <sup>3</sup>	855,0	EN ISO 12185
Colour		brown	visual
Viscosity at 100°C	mm <sup>2</sup> /s	11,9	DIN 51562-1
Viscosity at 40°C	mm <sup>2</sup> /s	74,2	DIN 51562-1
Viscosity Index VI		156	DIN ISO 2909
CCS Viscosity at -25°C	mPa*s	4350	ASTM D5293
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	%wt.	9,0	ASTM D5800
Flashpoint	°C	230	DIN ISO 2592
TBN	mg KOH/g	9,2	ASTM D2896
Sulphated ash	%wt.	0,85	DIN 51575

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