



## RAVENOL SDT Super Duty Truck SAE 10W-40



ART.-NR. 1121120

1 L	1121120-001
5 L	1121120-005
10 L	1121120-010
20 L	1121120-020
20 L	1121120-B20
60 L	1121120-060
60 L	1121120-D60
208 L	1121120-208
208 L	1121120-D28
1000 L	1121120-700

**VISCOSITY** 10W-40

**SPECIFICATIONS** API CK-4 | API CJ-4 | API CI-4 | ACEA E6 | ACEA E7 | ACEA E9

**FABRICATION** SYNTHETIC

**APPROVALS** MB-APPROVAL 228.51 | VOLVO VDS-4.5 | MACK EOS-4.5 |  
LICENSE: API CK-4, API CJ-4 | RENAULT VI RLD-3

**RECOMMENDATIONS** DETROIT DIESEL DDC 93K222 | CUMMINS CES 20086 | MTU TYPE 3.1 | CUMMINS CES 20081 | DEUTZ DQC IV-10 LA | CATERPILLAR ECF-3 | JASO DH-2 | MAN M 3477 | SCANIA LOW ASH

**RAVENOL SDT Super Duty Truck SAE 10W-40** 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 SDT Super Duty Truck SAE 10W-40** 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 SDT Super Duty Truck SAE 10W-40** 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 SDT Super Duty Truck SAE 10W-40** 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 SDT Super Duty Truck SAE 10W-40** 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 Notes

**RAVENOL SDT Super Duty Truck SAE 10W-40** 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 SDT Super Duty Truck SAE 10W-40** 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!



## Characteristics

**RAVENOL SDT Super Duty Truck SAE 10W-40** 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

Property	Unit	Data	Audit
Colour		braun	visual
Density at 20°C	kg/m <sup>3</sup>	856	EN ISO 12185
Viscosity at -25°C	mPa.s	4990	DIN 51377
Viscosity at 40°C	mm <sup>2</sup> /s	93,8	DIN 51562
Viscosity at 100°C	mm <sup>2</sup> /s	14,5	DIN 51562
Viscosity index VI		161	DIN ISO 2909
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	9,0	ASTM D5800/b
Flash point (COC)	°C	234	DIN ISO 2592
TBN	mg KOH/g	9,1	ASTM D2896
Sulphated ash	%wt.	0,85	DIN 51 575

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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