



## RAVENOL Low Emission Truck SAE 10W-40

RAVENOL Low Emission Truck SAE 10W-40 is an all-season multigrade SHPD engine oil (Super High Performance Diesel), which has been developed to the exhaust emission standards Euro V and Euro VI and is used in extremely heavy duty commercial vehicle diesel engines.

RAVENOL Low Emission Truck SAE 10W-40 is suitable for application in new exhaust-optimized engines with exhaust gas after treatment.

RAVENOL Low Emission Truck SAE 10W-40 reduces friction, wear and fuel consumption and provides for longer oil change intervals in turbo diesel engines.

RAVENOL Low Emission Truck SAE 10W-40 with shear stable additives improves performance, reliability and cleanliness of the engines.

### Application Notes

RAVENOL Low Emission Truck SAE 10W-40 is a year round high performance motor oil, especially designed for economic use in Euro V and Euro VI engines with after treatment systems in the viscosity class SAE 10W-40 heavy duty vehicle diesel engines.

RAVENOL Low Emission Truck SAE 10W-40 is preferred recommended by the extended oil change intervals specified by the manufacturer in turbo diesel engines.

### Quality Classifications

#### **Specifications**

ACEA E9, API CJ-4/SN

#### **Approvals**

MB-Approval 228.31

#### **Practice and tested in aggregates with filling**

MAN M 3575, Volvo VDS-4 (STD 417-0001), Renault VI RLD-3, Deutz DQC III-10 LA, MTU MTL 5044 Type 2.1, Caterpillar ECF-1a, ECF-2 und ECF-3, Cummins CES 20081, Detroit Diesel DDC 93K218, Mack EO-O Premium Plus, Chrysler MS-10902, Ford WSS-M2C171-E

### Characteristic

RAVENOL Low Emission Truck SAE 10W-40 offers:

- Extremely high pressure absorption capacity
- Very high oxidation stability
- Excellent aging stability
- Excellent viscosity and temperature behaviour
- High security reserves even under limited lubrication circumstances
- Suitable for extended oil change intervals
- Suitable for heavy operating conditions

Characteristics	Unit	Data	Audit
Colour		brown	visual
Density at 20°C	kg/m <sup>3</sup>	860	EN ISO 12185
Viscosity at -25°C	mPa.s	6500	DIN 51 377
Viscosity at 40°C	mm <sup>2</sup> /s	96,8	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	14,3	DIN 51 562
Viscosity index VI		152	DIN ISO 2909
Flash point (COC)	°C	250	DIN ISO 2592
Pourpoint	°C	-39	DIN ISO 3016
TBN	mg KOH/g	8,7	DIN ISO 3771
Sulphated ash	%wt.	0,96	DIN 51 575

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

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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