

Ravensberger Schmierstoffvertrieb GmbH
Postfach 1163
33819 Werther
Tel.: 05203/9719-0
Fax.: 05203/9719-40 / 41

- Certificate / ProductInformation-

RAVENOL Low Emission Truck SAE 15W-40

Art. 1123100

TRUCK

Description:

RAVENOL Low Emission Truck SAE 15W-40 is a Heavy Duty engine which fulfils API CJ-4 requirements of 2007 and is formulated with unique low SAPS high performance additives in combination with special selected base oils.

RAVENOL Low Emission Truck SAE 15W-40 can be used in new engines and also in older models.

RAVENOL Low Emission Truck SAE 15W-40 reduces friction, wear and fuel consumption.

RAVENOL Low Emission Truck SAE 15W-40 improves performance, reliability and cleanliness of the engines.

RAVENOL Low Emission Truck SAE 15W-40 can be used in diesel and petrol engines and reduces the decision with the oil choice. Lower API specifications are included in API CJ-4 specification.

Application Directions:

RAVENOL Low Emission Truck SAE 15W-40 is suitable for use in EURO 5 engines with exhaust systems and in EURO 3 and EURO 4 engines if required by the engine manufacturer.

RAVENOL Low Emission Truck SAE 15W-40 is suitable for use in trucks with EGR (Exhaust Gas Recirculation) and SCR (Selective Catalytic Reduction) with ULSD (maximum 15 ppm sulfur) and conventional diesel (500 ppm sulfur) from Volvo, Mack, Renault, MAN, Iveco, Daimler, DAF, Caterpillar, Komatsu for DPF (Diesel Particulate Filter) as DPD (Diesel Particulate defuser) by ISUZU, MAZDA, NISSAN and DPR (Diesel Particulate active Reduction) of HINO and TOYOTA.

Quality Classification:

RAVENOL Low Emission Truck SAE 15W-40 is approved, tried and tested for aggregates specifying:

Specifications: ACEA E7, E9

License: API CJ-4/SM

API CJ-4 including: API CI-4 PLUS, CI-4, CH-4, CG-4, CF-4

Approvals: MB-Approval 228.31, VOLVO VDS-4, Mack EO-O Premium Plus, Renault VI RLD 3 (compliance), Detroit Diesel Power Guard Oil Specification 93K218, Cummins CES 20081, TATRA TDS 30/12, MAN M3575

Recommendations: MTU Typ 2.1, Caterpillar ECF-2/-3, JASO DH-2, Japan Ultra-Low PM Emission Diesel, EURO IV und EURO-V, U.S. EPA Tier 3 emissions regulation, DDC 93K214, Chrysler MS-10902

Technical Characteristics:

RAVENOL Low Emission Truck SAE 15W-40 offers:

- Excellent protection of the engine after a cold start and under tougher conditions.
- A fast lubrication and sufficiently thick lubricant film at low temperatures down to -40 ° C is guaranteed.
- Security against formation of sludge, carbon deposits, varnish and corrosion, even under adverse conditions.
- Prevention of premature DPF (diesel particulate filter)-constipation and reduces the maintenance intervals.
- Neutrality towards sealing materials.
- A very stable and excellent viscosity behaviour.
- An excellent shear stability.
- Good detergent and dispersing properties. Protection from foaming.
- Outstanding wear and corrosion protection (even at long periods), high oxidation stability, maximum engine cleanliness.
- Extended oil change intervals and supports the behaviour at low temperatures
- Reduces deposits on the valves to improve engine protection and support to the engine power and fuel performance.

Technical Values:

Characteristics	unit	data	test according to	
Colour		yellow brown	visual	
Density	at 20 °C	kg/m ³	870	EN ISO 12185
Viscosity	at -20 °C	mPa.s	5843	DIN 51 377
	at 40 °C	mm ² /s	116,1	DIN 51 562
	at 100 °C	mm ² /s	15,4	DIN 51 562
Viscosity index			1638	DIN ISO 2909
Flash point (COC)		°C	235	DIN ISO 2592
Pour point		°C	- 42	DIN ISO 3016
TBN		mg KOH/g	8,3	DIN ISO 3771
Sulphated ash		% wt.	0,92	DIN 51 575

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

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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