



RAVENOL Formel Standard SAE 10W-30

RAVENOL Formel Standard SAE 10W-30 is excellent multigrade engine oil, which is used in car and truck engines. It corresponds to the requirements of modern diesel engines with and without charge. The favorable viscosity range ensures the high all year lubricity by different operating conditions.

Application Notes

RAVENOL Formel Standard SAE 10W-30 should be used according the manufacturer's instructions for diesel and gasoline engines.

Quality Classifications

RAVENOL Formel Standard SAE 10W-30 corresponds to:

Specifications

API SF/CD, ACEA A2/B2

Practice and tested in aggregates with filling

MIL-L-46152 B, MIL-L-2104 D, MB-227.1, CCMC G4 (gültig bis 31.12.96)

Characteristic

RAVENOL Formel Standard SAE 10W-30 offers:

- Protection against corrosion
- A very good shear stability
- A very high oxidation stability
- An excellent viscosity temperature behaviour
- Efficient function of hydraulic shock absorbers (hydraulic valve compensation)
- Convincing detergent and dispersant attributes
- High security reserves even under limited lubrication conditions
- Neutrality against sealing materials
- Very good cold start attributes
- Avoids the formation of conglutinations, pigmenting, coking and accumulation of mud (black sludge)
- on cylinders, pistons, valves, sparking plugs and in turbo superchargers
- No problems with the use in catalyst vehicles

Characteristics	Unit	Data	Audit
Colour		gelbbraun	visual
Density at 20°C	kg/m ³	872	EN ISO 12185
Viscosity at 40°C	mm ² /s	66,5	DIN 51 562
Viscosity at 100°C	mm ² /s	9,0	DIN 51 562
Viscosity index VI		144	DIN ISO 2909
Flash point (COC)	°C	211	DIN ISO 2592
Pourpoint	°C	-29	DIN ISO 3016
TBN	mg KOH/g	6,0-9,0	DIN ISO 3771
Sulphated ash	%wt.	ca. 0,8	-

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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