



RAVENOL Formel Super SAE 15W-40

RAVENOL Formel Super 15W-40 is high quality multi-grade engine oil which corresponds to all requirements of modern carburetor and Diesel engines. It can be used in passenger cars as well as trucks. It fulfils the requirements of modern Diesel engines with or without supercharging. The favourable viscosity area ensures a high lubrication capacity all the year under different operation circumstances.

Application Notes:

RAVENOL Formel Super 15W-40 can be used according to the manufacturer specification for Diesel as well as Otto engines.

Quality Classifications:

RAVENOL Formel Super 15W-40 corresponds to:
Specifications

API SF/CD

Practice and tested in aggregates with filling

MIL-L-46152 B, MIL-L-2104 D, MB-227.1, CCMC G4

Characteristic:

RAVENOL Formel Super 15W-40 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

<u>Attribute</u>	<u>Unit</u>	<u>Data</u>	<u>Audit</u>
Colour		gelbbraun	-
Density at 20°C	kg/m ³	879	EN ISO 12185
Viscosity at 40°C	mm ² /s	100,6	DIN 51 562
Viscosity at 100°C	mm ² /s	13,6	DIN 51 562
Viscosity index VI		136	DIN ISO 2909
Flash point (COC)	°C	223	DIN ISO 2592
Pourpoint	°C	-27	DIN ISO 3016
TBN	mg KOH/g	6,0-9,0	DIN ISO 3771
Sulfated ash	%	ca. 0,8	DIN 51 575

All data are approximate and subject to customary variations.

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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