



## RAVENOL Formel Diesel Super SAE 15W-40

RAVENOL Formel Diesel Super 15W-40 is high quality multi-grade engine oil for diesel engines of all kinds of passenger cars and trucks with and without turbo charging. It has an excellent lubricating film adhesion and very good shear stability as well as an excellent cleaning efficiency and a high aging resistance.

### Application Notes

RAVENOL Formel Diesel Super 15W-40 is suitable for the mixed car pool and can be used the whole year. Regarding commercial vehicles it can be used for a complicated operation and extended oil change intervals according to the manufacturer specification.

### Quality Classifications

RAVENOL Formel Diesel Super SAE 15W-40 is approved, tried and tested for aggregates specifying:

#### **Specifications**

API CF-4, ACEA 2004: E2, B4

#### **Approvals**

MB-Freigabe 228.3, MB 229.1, MAN 271, ZF TE-ML 07C, Renault RD-2/ RLD, TEDOM 258-2 (61-0-0258)

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

MB 228.1, VW 505 00, Allison C-4, Caterpillar TO-2, Volvo VDS, MACK EO-L, MTU Type 2

### Characteristic

RAVENOL Formel Diesel Super 15W-40 offers:

- Very good shear stability
- Very good cold start attributes
- High oxidation stability
- Excellent viscosity temperature behaviour
- No problems with the use in catalyst vehicles
- Convincing detergent and dispersant characteristics
- High safety reserves even under limited lubrication circumstances

Characteristics	Unit	Data	Audit
Colour		gelbbraun	visual
Density at 20°C	kg/m³	880	EN ISO 12185
Viscosity at 40°C	mm²/s	97,5	DIN 51 562
Viscosity at 100°C	mm²/s	13,4	DIN 51 562
Viscosity index VI		137	DIN ISO 2909
Flash point (COC)	°C	221	DIN ISO 2592
Pourpoint	°C	- 28	DIN ISO 3016
TBN	mg KOH/g	8,5	DIN ISO 3771
Sulphated ash	%wt.	1,3	-

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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