



## RAVENOL Formel Super SAE 15W-40



**VISCOSITY** 15W-40  
**SPECIFICATIONS** API SF  
**FABRICATION** MINERAL  
**RECOMMENDATIONS** MIL-L-46152 B | CCMC G4 (GÜLTIG BIS 31.12.96)

**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.

### ART.-NR. 1113115

1 L | 1113115-001  
4 L | 1113115-004  
5 L | 1113115-005  
10 L | 1113115-010  
20 L | 1113115-020  
20 L | 1113115-B20  
60 L | 1113115-060  
60 L | 1113115-D60  
208 L | 1113115-208  
208 L | 1113115-D28  
1000 L | 1113115-700

## Application Notes

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

## Characteristics

**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 conglomerations, 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

Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	867	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm <sup>2</sup> /s	14,2	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	105,4	DIN 51 562
Viscosity index VI		137	DIN ISO 2909
Pourpoint	°C	-30	DIN ISO 3016
Flash point (COC)	°C	240	DIN ISO 2592
TBN	mg KOH/g	7,1	ASTM D2896
Sulphated ash	%wt.	0,95	DIN 51 575

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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