



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

# RAVENOL Formel Super SAE 15W-40

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1113115

**Viscosity:** 15W-40

**Specification:** ACEA A2/B2, API CD, API SF

**Oil type:** Mineral

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

**Application:** Passenger car

**RAVENOL Formel Super SAE 15W-40** is high quality multi-grade engine oil which corresponds to all requirements of modern carburettor 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 Note

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

## Characteristics

- 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

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	864,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	14,2	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	105,4	DIN 51562-1
Viscosity Index VI		137	DIN ISO 2909
Pourpoint	°C	-39	DIN ISO 3016
Flashpoint	°C	240	DIN EN ISO 2592
tbn	mg KOH/g	7,1	ASTM D2896
Sulphated Ash	%wt.	0,9	DIN 51575

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

**Alle angegebenen Daten sind ca. Werte und unterliegen handelsüblichen Schwankungen.**

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