



1 L | 1113120-001
4 L | 1113120-004
5 L | 1113120-005
10 L | 1113120-010
20 L | 1113120-020
20 L | 1113120-B20
60 L | 1113120-060
208 L | 1113120-208
208 L | 1113120-D28
1000 L | 1113120-700

RAVENOL FORMEL EXTRA SAE 20W-50

Category Passenger car motor oil

Item number 1113120

Viscosity 20W-50

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 Extra SAE 20W-50 is a mineral multigrade engine oil for passenger car gasoline and diesel engines with and without turbocharging, and is also suitable for commercial vehicle engines. Designed to minimize friction and wear, the formulation ensures year round high lubricity throughout all operating conditions. Extended oil drain capability where recommended by the vehicle manufacturer.

Application Note

RAVENOL Formel Extra SAE 20W-50 is suitable for both gasoline and diesel engines which require this grade of engine oil.

Characteristics

- Excellent protection against corrosion
- A very good shear stability
- A high oxidation stability
- An excellent viscosity-temperature behavior
- Optimum operation of hydraulic tappets (hydraulic valve adjustment)
- High levels of detergent and dispersant additives for cleaner engines
- Compatible with all types of sealing materials
- Very good cold starting properties
- Prevents the formation of adhesions, varnish, carbon deposits and sludge accumulation

Technical Product Data

Density at 20 °C	871,0	kg/m ³	EN ISO 12185
Colour	braun		VISUELL
Viscosity at 100 °C	18,1	mm ² /s	DIN 51562-1
Viscosity at 40 °C	151,5	mm ² /s	DIN 51562-1
Viscosity Index VI	133		DIN ISO 2909
Pourpoint	-24	°C	DIN ISO 3016
Flashpoint	248	°C	DIN EN ISO 2592
tbn	7,3	mg KOH/g	ASTM D2896
Sulphated Ash	0,9	%wt.	DIN 51575

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