



RAVENOL Formel Extra SAE 20W-50

RAVENOL Formel Extra 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 Notes

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

Quality Classifications

RAVENOL Formel Extra 20W-50 is approved, tried and tested for aggregates specifying:

Specifications

API SF/CD, ACEA A2/B2

Practice and tested in aggregates with filling

MIL-L-46152 B, MIL-L-2104 D, MB-227.1, CCMC G4 (gültig bis 31.12.96)

Characteristic

RAVENOL Formel Extra 20W-50 offers:

- 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

Characteristics	Unit	Data	Audit
Colour		yellow brown	visual
Density at 20°C	kg/m ³	886	EN ISO 12185
Viscosity at 40°C	mm ² /s	148,5	DIN 51 562
Viscosity at 100°C	mm ² /s	17,5	DIN 51 562
Viscosity index VI		129	DIN ISO 2909
Flash point (COC)	°C	228	DIN ISO 2592
Pourpoint	°C	-24	DIN ISO 3016
TBN	mg KOH/g	6,0-9,0	DIN ISO 3771
Sulphated ash	%wt.	1,0	DIN 51 575

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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Ravensberger Schmierstoffvertrieb GmbH

Postfach 1163

33819 Werther

Tel.: 05203/9719-0

Fax.: 052039719-40 / 41