



1L | 1111111-001  
4L | 1111111-004  
5L | 1111111-005  
10L | 1111111-010  
20L | 1111111-020  
20L | 1111111-B20  
60L | 1111111-060  
60L | 1111111-D60  
208L | 1111111-208  
208L | 1111111-D28  
1000L | 1111111-700

# RAVENOL GFE SAE 5W-20

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1111111

**Viscosity:** 5W-20

**Specification:** API SN Plus, API SP (RC), ILSAC GF-6A

**Oil type:** Synthetic

**Approvals:** API SN Plus, API SP Resource Conserving, GM dexos1™ Gen 3 (Lizenz-Nr. D335BBDJ081), ILSAC GF-6A

**Recommendation:** Chrysler MS-13340, Chrysler MS-6395, Ford WSS-M2C945-B1, Ford WSS-M2C960-A1

**Application:** Passenger car

**Technology:** Clean Synto®

**RAVENOL GFE SAE 5W-20** is a synthetic, low-friction engine oil with CleanSynto® technology for passenger car gasoline and diesel engines, with and without turbocharging and direct injection.

**RAVENOL GFE SAE 5W-20** achieves a high viscosity index through its formulation with special base oils. The excellent cold start behaviour provides an optimum lubricating safety during the cold run phase.

Because of a considerable fuel saving **RAVENOL GFE SAE 5W-20** contributes to protect the environment by reducing the emissions.

**RAVENOL GFE SAE 5W-20** minimizes friction, wear and fuel consumption with excellent cold start characteristics.

**RAVENOL GFE SAE 5W-20** also meets the specification WSS-M2C945-B1 and API SN PLUS, therefore it can reduce the problem of oil derived low speed pre-ignition.

Suitable for extended oil change intervals where recommended by manufacturer.

## Application Note

**RAVENOL GFE SAE 5W-20** is an universal fuel-efficient engine oil, a top-quality product for modern passenger cars with gasoline and diesel engines. It is also suitable for use in hybrid vehicles from various manufacturers.

## Characteristics

- Guaranteed fastest possible lubrication of the engine.
- High fuel economy (FE) effect due to the base oils and additives used. Low volatilization tendency,
- thereby lower oil consumption.
- Can reduce oil derived low speed pre-ignition.
- Provides protection against sludging, coking, varnish and corrosion even under unfavorable operating conditions.

- No oil-related deposits in combustion chambers in the piston ring zone and on valves.
- Ensures the function of the hydraulic tappets at all temperatures.
- Stable engine oil, no NOx oxidation.
- Good soot absorption and dispersion.
- Neutral towards sealing materials.
- Ideal for hybrid vehicles.

## Technical Product Data

PROPERTY	UNIT	DATA	AUDIT
Density at 20 °C	kg/m <sup>3</sup>	851,0	EN ISO 12185
Colour		gelbbraun	VISUELL
Viscosity at 100 °C	mm <sup>2</sup> /s	8,6	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	47,1	DIN 51562-1
Viscosity Index VI		163	DIN ISO 2909
HTHS Viscosity at 150 °C	mPa*s	2,76	ASTM D5481
CCS Viscosity at -30 °C	mPa*s	5200	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	13.300	ASTM D4684
Pourpoint	°C	-42	DIN ISO 3016
Noack Volatility	% M/M	11,6	ASTM D5800
Flashpoint	°C	232	DIN EN ISO 2592
tbn	mg KOH/g	7,7	ASTM D2896
Sulphated Ash	%wt.	0,78	DIN 51575

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