



## RAVENOL GFE SAE 5W-20



**VISCOSITY** 5W-20

**SPECIFICATIONS** API SN PLUS | API SP (RC) | ILSAC GF-6A

**FABRICATION** SYNTHETIC

**APPROVALS** GM DEXOS1™ GEN 2 | LICENSE: API SP RESOURCE CONSERVING, API SN PLUS; ILSAC GF-6A

**RECOMMENDATIONS** FORD WSS-M2C960-A1 | FORD WSS-M2C945-B1 | CHRYSLER MS-13340 | CHRYSLER MS-6395

### ART.-NR. 1111111

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

**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 Notes

**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.

## Characteristics

**RAVENOL GFE SAE 5W-20** offers:

- 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.
- 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.



Property	Unit	Data	Audit
Density at 20°C	kg/m³	846,0	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm²/s	8,6	DIN 51562-1
Viscosity at 40°C	mm²/s	47,1	DIN 51562-1
Viscosity index VI		163	DIN ISO 2909
HTHS at 150°C	mP?*s	2,94	ASTM D5481
CCS Viscosity at -30°C	mPa*s	3650	ASTM D5293
Low Temp. Pumping viscosity -35°C (MRV)	mPa*s	9630	ASTM D 4684
Pourpoint	°C	-36	DIN ISO 3016
Noack Volatility	% M/M	10,8	ASTM D5800
Flash point	°C	232	DIN ISO 2592
TBN	mg KOH/g	8,8	ASTM D2896
Sulphated ash	%wt.	0,94	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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