



## RAVENOL HDX SAE 5W-30



**VISCOSITY** 5W-30

**SPECIFICATIONS** API SN PLUS | ILSAC GF-5 | API SN RESOURCE CONSERVING

**FABRICATION** SYNTHETIC

**APPROVALS** GM DEXOS1™ GEN 2

**RECOMMENDATIONS** CHRYSLER MS-6395 | CHRYSLER MS-13340 | FIAT 9.55535-CR1 | FORD WSS-M2C946-A | FORD WSS-M2C946-B1 | FORD WSS-M2C929-A | HONDA/ACURA HTO-06

### ART.-NR. 1111125

1 L	1111125-001
4 L	1111125-004
5 L	1111125-005
20 L	1111125-020
20 L	1111125-B20
60 L	1111125-060
60 L	1111125-D60
208 L	1111125-208
208 L	1111125-D28
1000 L	1111125-700

**RAVENOL HDX SAE 5W-30** is a synthetic, low-friction engine oil with CleanSynto® technology for car gasoline engines, with and without turbocharging and direct injection, such as Turbo-GDI and direct injection.

With its new formulation, **RAVENOL HDX SAE 5W-30** provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking.

**RAVENOL HDX SAE 5W-30** 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 HDX SAE 5W-30** contributes to protect the environment by reducing the emissions.

**RAVENOL HDX SAE 5W-30** minimizes friction, wear and fuel consumption with excellent cold start characteristics.

**RAVENOL HDX SAE 5W-30** helps to avoid low speed pre-ignition LSPI (Low Speed ??Pre-ignition). This can help avoid engine damage.

Suitable for extended oil change intervals where recommended by manufacturer.

## Application Notes

**RAVENOL HDX SAE 5W-30** is a high-performance low-friction engine oil for modern engines, and is recommended by OPEL/GENERAL MOTORS to the latest GM dexos1 specification for modern GM gasoline-engined vehicles under all operating conditions.

**RAVENOL HDX SAE 5W-30** is also suitable for the shown specifications of Ford, Chrysler and Fiat.



## Characteristics

RAVENOL HDX SAE 5W-30 offers:

- Fuel savings in partial and full load operation
- Outstanding wear protection and high viscosity index ensure engine longevity, even under high-speed driving conditions.
- Excellent cold-start properties even at low temperatures below -25°C.
- A safe lubricating film at high operating temperatures.
- Low evaporation tendency, thus low oil consumption.
- No oil-based deposits in combustion chambers, in the piston ring zone and on valves.
- Neutrality towards sealing materials.
- Extended oil change intervals protect natural resources.

Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	844,0	EN ISO 12185
Colour		yellow brown	visual
Viscosity at 100°C	mm <sup>2</sup> /s	10,8	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	59,8	DIN 51 562
Viscosity index VI		173	DIN ISO 2909
HTHS at 150°C	mPa*s	3,4	ASTM D5481
CCS Viscosity at -30°C	mPa*s	3630	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	18.500	ASTM D 4684
Pourpoint	°C	-45	DIN ISO 3016
Noack Volatility	% M/M	10,9	ASTM D5880
Flash point	°C	228	DIN ISO 2592
TBN	mg KOH/g	8,7	ASTM D2896
Sulphated ash	%wt.	0,86	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.

Release: : 31. October 2019