



RAVENOL HDX SAE 5W-30

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.

Specifications

API SN Plus, API SN (RC), ILSAC GF-5

Approvals

GM dexos1™ Gen 2 (License No. D10709HK081), License: API SN Plus, API SN Resource Conserving, ILSAC GF-5

Practice and tested in aggregates with filling

Chrysler MS-6395, MS-13340; Fiat 9.55535-CR1; Ford WSS-M2C946-A/-B1, WSS-M2C929-A; Honda/Acura HTO-06

Characteristic

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.

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m ³	844,0	EN ISO 12185
Colour		yellow brown	visual
Viscosity at 100°C	mm ² /s	10,8	DIN 51 562
Viscosity at 40°C	mm ² /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 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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