# RAVENOL HDX SAE 5W-30


**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

**VISCOSITY** 5W-30
**SPECIFICATIONS** API SP (RC) |ILSAC GF-6A |API SN PLUS
**FABRICATION** SYNTHETIC
**APPROVALS** GM DEXOS1™ GEN 2 | LICENCE: API SP (RESOURCE CONSERVING), ILSAC GF-6A
**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

**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 fort he 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/m³ | 844,0 | EN ISO 12185 |
| Colour | | gelbbraun | visual |
| Viscosity at 100°C | mm²/s | 10,8 | DIN 51 562 |
| Viscosity at 40°C | mm²/s | 59,8 | DIN 51 562 |
| Viscosity index VI | | 173 | DIN ISO 2909 |
| HTHS at 150°C | mP?*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.

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