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- Certificate / ProductInformation -

RAVENOL HCS SAE 5W-40

Art.1112105

Hydrocrack

CleanSynto®

Description:

RAVENOL HCS SAE 5W-40 is a synthetic high performance low friction oil, which ensures the fuel efficient motors operation. Hydrocrack oils and innovative additives, matched them to allow the compliance of the actual practice requirements. The extremely low cold viscosity with the safer high-temperature viscosity ensures a high fuel efficient potential.

RAVENOL HCS SAE 5W-40 corresponds the high-tech-claims of the youngest efficient motor generations and is suitable for extended oil change intervals.

Application Directions:

RAVENOL HCS SAE 5W-40 is suitable for an energy saving all year use for all modern passenger car gasoline and diesel engines, including turbo versions and for direct injection motors and also recommended for all operation conditions.

Quality Classification:

RAVENOL HCS SAE 5W-40 is approved, tried and tested for aggregates specifying:

Specification: ACEA A3/B4, API SM/SL/CF

License: API SM, API SL

Approvals: MB-Approval 229.3, BMW Longlife-98, RENAULT RN0700, RN0710

Recommendations: VW 502 00 / 505 00, Opel GM-LL-B-025, Porsche

Technical Characteristics:

RAVENOL HCS SAE 5W-40 offers:

- High protection against wear
- Fuel economy by low friction property
- Excellent detergent- and dispersant property
- Prevention of black sludge formation
- Improved cleaner engine
- Extended lifetime because of oxidation stability
- Excellent cold starting characteristics
- Excellent viscosity-temperature- characteristics
- Low evaporation tendency
- Catalyst cleaning

Technical Values:

Characteristics	unit	data	test according to	
Colour		brown	visual	
Density	at 20°C	kg/m ³	846	EN ISO 12185
Viscosity	at 40°C	mm ² /s	89,3	DIN 51 562
	at 100°C	mm ² /s	14,1	DIN 51 562
Viscosity index VI			163	DIN ISO 2909
Flash point (COC)	°C		210	DIN ISO 2592
Pour point	°C		-40	DIN ISO 3016
TBN	mg KOH/g		11,0	DIN ISO 3771
Sulphated ash	% wt.		1,0	DIN 51 575

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

To the best of our knowledge all information reflects the current state of findings and our development. Subject to change. Any reference to DIN standards are solely for product description purposes and do not represent a guarantee. If problems occur please consult a technician.

16.05.14