

- Certificate / Product Information -

RAVENOL HCL SAE 5W-30

Art. 1111118

SYNTHETIC

CleanSynto®

Description:

RAVENOL HCL SAE 5W-30 is a synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection.

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

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

Suitable for extended oil change intervals where recommended by manufacturer.

Application Directions:

RAVENOL HCL SAE 5W-30 is an universal fuel-efficient engine oil, a top-quality product for petrol and passenger car diesel engines with or without turbochargers in passenger cars and vans.

Quality Classification:

RAVENOL HCL SAE 5W-30 is approved, tried and tested for aggregates specifying:

Specifications: API SL/CF, ACEA A3/B4

Approvals: MB-Approval 229.5, BMW Longlife-01, VW 502 00 / 505 00

Recommendations: VW 501 01

Technical Characteristics:

RAVENOL HCL SAE 5W-30 offers:

- Fuel economy in part and full power operation
- very stable and excellent viscosity behaviour
- Excellent shear stability
- Excellent cold start characteristics
- A safe lubricant film at high operating temperatures
- Excellent detergency and dispersing properties
- High wear and corrosion protection, high oxidation stability
- Protection against foaming
- Excellent detergent- and dispersant characteristics
- Longlife characteristics through high oxidation stability
- Catalyst suitability

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Technical Values:

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m³	847,0	EN ISO 12185
Colour		brown	visual
Viscosity at 100°C	mm²/s	12,2	DIN 51562-1
Viscosity at 40°C	mm²/s	72,3	DIN 51562-1
Viscosity Index VI		168	DIN ISO 2909
HTHS Viscosity at 150°C	mPa*s	3,57	ASTM D5481
CCS Viscosity at -30°C	mPa*s	5591	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	19.100	ASTM D4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	8,6	ASTM D5800
Flashpoint	°C	238	DIN ISO 2592
TBN	mg KOH/g	10,2	ASTM D2896
Sulphated ash	%wt.	1,04	DIN 51575

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