- Certificate / Product Information -

RAVENOL HPS SAE 5W-30

HyperSynth

RAVENOL HPS SAE 5W-30 is modern high performance low friction semi-synthetic multigrade motor oil, which is suitable for performance motors because of its synthetic components and innovative additives. The excellent cold start characteristics provide optimal lubricant safety in the cold-running phase. Because of the noticeable fuel economy contributes **RAVENOL HPS SAE 5W-30** the reduction of pollutant emissions and protects the environment.

Application Notes

RAVENOL HPS SAE 5W-30 is low friction motor oil, which is suitable for performance motors. It is recommended 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 Classifications

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

Specifications

API SL/CF, ACEA A3/B4

Practice and tested in aggregates with filling

MB 229.3, BMW Longlife-98, VW 502 00/505 00

Characteristic

RAVENOL HPS SAE 5W-30 offers:

- Fuel economy in part and full power operation
- Very stable and excellent viscosity behaviour
- Excellent shear stability
- Excellent cold starting characteristics
- A safe lubricant film at high operating temperatures
- Excellent detergent- and dispersant characteristics
- High wear and corrosion protection, high oxidation stability
- Prevention of sludge formation
- Extended lifetime because of oxidation stability
- Suitable for catalysts

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m³	852	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm²/s	12,15	DIN 51 562
Viscosity at 40°C	mm²/s	70,9	DIN 51 562
Viscosity index VI		170	DIN ISO 2909
HTHS at 150°C	mP?*s	3,54	ASTM D5481
CCS Viscosity at -30°C	mPa*s	6140	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	16.200	ASTM D4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	8,9	ASTM D5800/b
Flash point (COC)	°C	242	DIN ISO 2592
TBN	mg KOH/g	11,0	ASTM D2896
Sulphated ash	%wt.	1,18	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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