



## RAVENOL HCL SAE 5W-30

RAVENOL HCL SAE 5W-30 is a fully synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Minimises friction, wear and fuel consumption with excellent cold start characteristics. Suitable for extended oil change intervals where recommended by manufacturer.

### Application Notes

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 Classifications

#### Specifications

API SL/CF, ACEA A3/B4

#### Approvals

MB-Approval 229.5, BMW Longlife-01

#### Practice and tested in aggregates with filling

VW 501 01 / 502 00 / 505 00

### Characteristic

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

Characteristics	Unit	Data	Audit
Colour		brown	visual
Density at 20°C	kg/m <sup>3</sup>	851	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	72,30	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	12,23	DIN 51 562
Viscosity index VI		168	DIN ISO 2909
Dynamic Viscosity at -35°C	mPa.s (cP)	5450	DIN 51 377
Flash point (COC)	°C	238	DIN ISO 2592
Pourpoint	°C	-36	DIN ISO 3016
TBN	mg KOH/g	10.2	DIN ISO 3771

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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