



## RAVENOL HDS Hydrocrack Diesel Specific SAE 5W-30

Low SAPS

RAVENOL HDS Hydrocrack Diesel Specific SAE 5W-30 is fully synthetic, fuel economy low friction motor oil with a special formulation with Low SAPS (EURO 4) for the latest passenger car diesel engines with DPF (Diesel particle filter, Diesel soot particle filter or NOx- store catalysts), also suitable for passenger car gasoline engines. Excellent cold start characteristics, low oil consumption and reduced pollutant emissions.

RAVENOL HDS Hydrocrack Diesel Specific SAE 5W-30 contributes by reduction of emissions to conservation the environment. Minimal wear extends the lifespan of the engine. HTHS- Viscosity >3.5 mPa\*s (cP). Extended oil change intervals according to manufacturer requirements.

RAVENOL HDS Hydrocrack Diesel Specific SAE 5W-30 achieved by its formulation with special base oils a high viscosity index. The excellent cold start behaviour ensures an optimal lubrication safety in the cold running

### Application Notes:

RAVENOL HDS HYDROCRACK DIESEL SPECIFIC SAE 5W-30 is a fuel economy engine oil for modern diesel engines with turbo charger and exhaust gas after treatment with DPF (Diesel particle filter, Diesel soot particle filter or NOx- store catalysts).

### Quality Classifications:

RAVENOL HDS HYDROCRACK DIESEL SPECIFIC SAE 5W-30 is approved, tried and tested for aggregates specifying:

### **Specifications**

ACEA C4, Lizensiert: API SM Energy Conserving

### **Approvals**

RENAULT RN 0720

### Characteristic:

RAVENOL HDS HYDROCRACK DIESEL SPECIFIC SAE 5W-30 offers:

- Fuel economy in part and full power operation
- Excellent wear protection and high viscosity index also under high-speed driving conditions, the long life of the engine
- Excellent cold starting characteristics also at low temperatures below -30°C
- A safe lubricant film at high operating temperatures
- Low evaporative tendency, so lower oil consumption
- No deposits in combustion chambers, in the piston ring zone and valves because of oil conditioned
- Neutrality towards sealing materials
- Extended oil change intervals to protect natural resources

<u>Attribute</u>	<u>Unit</u>	<u>Data</u>	<u>Audit</u>
Colour		mittelbraun	visual
Density at 20°C	kg/m <sup>3</sup>	851	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	68,0	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	11,7	DIN 51 562
Viscosity index VI		169	DIN ISO 2909
Flash point (COC)	°C	200	DIN ISO 2592
Pourpoint	°C	-39	DIN ISO 3016
TBN	mg KOH/g	7,3	DIN ISO 3771
Sulfated ash	%	0,49	DIN 51 575

All data are approximate and subject to customary variations.

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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