



RAVENOL HDS Hydrocrack Diesel Specific SAE 5W-30

Diesel-Synthetic

RAVENOL HDS Hydrocrack Diesel Specific 5W-30 is 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). 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 in EURO IV and EURO V engines (up to 50.000 km or 2 years possible).

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) or TCW (Three Way Catalyst).

Quality Classifications

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

Specifications

ACEA C4

Approvals

RENAULT RN 0720, MB-Approval 226.51

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

Characteristics	Unit	Data	Audit
Density at 20°C	kg/m ³	843,0	EN ISO 12185
Colour		mid brown	visual
Viscosity at 100°C	mm ² /s	12,1	DIN 51 562
Viscosity at 40°C	mm ² /s	72,0	DIN 51 562
Viscosity index VI		166	DIN ISO 2909
HTHS Viscosity	mPa*s	3,55	CEC-L-36-A-90
CCS Viscosity at -30°C	mPa*s	5421	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	19.299	ASTM D4684
Pourpoint	°C	-40	DIN ISO 3016
Noack Volatility	% M/M	8,4	ASTM D5800/b
Flash point	°C	236	DIN ISO 2592
TBN	mg KOH/g	7,9	ASTM D2896
Sulphated ash	%wt.	0,5	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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