



RAVENOL HDS Hydrocrack Diesel Specific SAE 5W-30



ART.-NR. 1111121

1 L	1111121-001
4 L	1111121-004
5 L	1111121-005
10 L	1111121-010
20 L	1111121-020
20 L	1111121-B20
60 L	1111121-060
60 L	1111121-D60
208 L	1111121-208
208 L	1111121-D28
1000 L	1111121-700

VISCOSITY 5W-30

SPECIFICATIONS ACEA C4

FABRICATION SYNTHETIC

APPROVALS RENAULT RN0720 | MB-APPROVAL 226.51

RAVENOL HDS Hydrocrack Diesel Specific 5W-30 is a synthetic, Low SAPS low-friction engine oil with CleanSynto® technology for passenger car diesel engines, with and without turbocharging and direct injection.

RAVENOL HDS Hydrocrack Diesel Specific 5W-30 is based on additives with reduced ash content for use in modern passenger car with diesel engines with excellent cold start characteristics, low oil consumption and reduced pollutant emissions. This oil will increase the DPF and TWC life. HTHS-Viscosity >3.5 mPa*s (cP). Developed for fuel economy and energy conserving in EURO VI, EURO V and EURO IV Standard engines with normal and extended oil change intervals (until 50.000 km or 2 years possible).

RAVENOL HDS Hydrocrack Diesel Specific 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 HDS Hydrocrack Diesel Specific 5W-30** contributes to protect the environment by reducing the emissions.

RAVENOL HDS Hydrocrack Diesel Specific 5W-30 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

Suitable for extended oil change intervals where recommended by manufacturer.

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 catalyts) or TCW (Three Way Catalyts).

Characteristics

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

Property	Unit	Data	Audit
Density at 20°C	kg/m ³	843,0	EN ISO 12185
Colour		mittelbraun	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	3,6	CEC-L-36-A-90
CCS Viscosity at -30°C	mPa*s	5500	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	34.800	ASTM D4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	7,6	ASTM D5800/b
Flash point	°C	236	DIN ISO 2592
TBN	mg KOH/g	7,9	ASTM D2896
Sulphated ash	%wt.	0,49	DIN 51 575

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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