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- Certificate / Product Information -

RAVENOL FDS SAE 5W-30
Art. 1111139

Description:
RAVENOL FDS SAE 5W-30 is a fully synthetic, low friction motor oil based on PAO (Polyalphaolefine) with CleanSynto® Technology for petrol and diesel passenger cars with and without turbocharging and direct injection.
RAVENOL FDS SAE 5W-30 minimizes friction, wear and fuel consumption, with excellent cold start characteristics. Extended oil change intervals according to manufacturer's instructions.
The excellent cold start characteristics provide the optimal lubricating safety in the cold-running phase.
RAVENOL FDS SAE 5W-30 ensures operational safety in all driving conditions such as in extreme stop-and-go traffic and high-speed motorway driving.

Application Directions:
RAVENOL FDS SAE 5W-30 is suitable as motor oil for fuel-efficient year-round use in modern petrol and diesel engines in passenger cars, station wagon's, vans and similar vehicles from FORD and RENAULT, when the given specifications are required.

Quality Classification:
RAVENOL FDS SAE 5W-30 is approved, tried and tested for aggregates specifying:
Specifications: ACEA A1/B1, A5/B5, API SL/CF
License: API SL
Approvals: RENAULT RN0700, FORD WSS-M2C913-D (fulfils 913-A/-B/-C)
Recommendations: FORD WSS-M2C913-C, Fiat 9.55535-G1

Technical Characteristics:
RAVENOL FDS SAE 5W-30 offers:
- Excellent cold starting properties even at low temperatures of below -25 ° C
- A very stable and excellent viscosity characteristics, shear stability
- Fuel efficiency under all operating conditions
- Excellent detergency and dispersing properties
- neutrality towards sealing materials
- Low evaporation loss, thereby lower oil consumption
- An extensive protection against wear, corrosion and foaming
- Catalyst suitability
- Extended oil change intervals to protect natural resources

Technical Values:

Characteristics		unit	data	test according to
Colour			mid brown	visual
Density	at 20°C	kg/m³	843	EN ISO 12185
Viscosity	at –30°C	mPa*s	3880	ASTM D5293
	at 40°C	mm²/s	58,35	DIN 51 562
	at 100°C	mm^2/s	10,2	DIN 51 562
Viscosity index VI			163	DIN ISO 2909
Flash point (COC)		°C	228	DIN ISO 2592
Pour point		°C	-51	DIN ISO 3016
TBN		mg KOH/g	9,9	ASTM D2896
Noack Volatility		%	8,9	ASTM D5800/b
Sulphated Ash		%wt.	1,2	DIN 51 575
Low Temp. Pumping viscosity (MRV)				
	at -35°C	mPa*s	14.800	ASTM D4684

All indicated data are approximate values and are subject to the commercial fluctuations.