



## RAVENOL FDS SAE 5W-30

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.

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 Notes

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, Toyota, Hyundai, Kia, Mazda, Honda, Nissan, Mitsubishi when the given specifications ACEA A5/B5 are required.

Due to the specific composition is RAVENOL FDS SAE 5W-30 excellent suitable for use for several of the latest OEM requirements.

### Quality Classifications

RAVENOL FDS SAE 5W-30 is approved, tried and tested for aggregates specifying:

#### Specifications

Lizensiert: API SL, API SL/CF, ACEA A1/B1, ACEA A5/B5

#### Approvals

RENAULT RN0700, FORD WSS-M2C913-D, JAGUAR LAND ROVER STJLR.03.5003

#### Practice and tested in aggregates with filling

Ford WSS-M2C-913-C, Fiat 9.55535-G1

### Characteristic

RAVENOL FDS SAE 5W-30 offers:

- Excellent cold starting properties even at low temperatures of below -30 ° 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

Characteristics	Unit	Data	Audit
Colour		mid brown	visual
Density at 20°C	kg/m <sup>3</sup>	843	EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	58,35	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	10,2	DIN 51 562
Viscosity index VI		163	DIN ISO 2909
Viscosity at -30°C	mPa.s	3880	ASTM D5293
Low Temp. Pumping viscosity -35°C (MRV)	mPa*s	14.800	ASTM D 4684
Pourpoint	°C	-51	DIN ISO 3016
Noack Volatility	%	8,9	ASTM D5800/b
Flash point (COC)	°C	228	DIN ISO 2592
TBN	mg KOH/g	10,1	ASTM D2896
Sulphated ash	%wt.	1,2	DIN 51 575
HTHS Viscosity	mPa*s	3,0	CEC L-36-A-97

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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