



# RAVENOL FDS SAE 5W-30



**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1111139

**Viscosity:** 5W-30

**Specifications:** ACEA A5/B5, ACEA A7/B7, API CF, API SP

**Oil type:** Full synthetic

**Approvals:** API SP, Ford WSS-M2C913-D (überdeckt 913-A/-B/-C), Jaguar Land Rover STJLR.03.5003, MB -Freigabe 229.6, Renault RN0700

**Recommendations:** Fiat 9.55535-G1, Ford WSS-M2C913-C, VWC 53036

**Application:** Passenger car

**Technology:** CleanSynto, USVO

**RAVENOL FDS SAE 5W-30** is a PAO (Polyalphaolefin) based, full synthetic low friction motor oil with especially USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection.

Due to the USVO® technology we achieve an extremely high viscosity stability. We avoid the disadvantages of polymeric viscosity improvers while taking advantage of them. This improves engine protection, performance, engine cleanliness and oil drain intervals. The USVO® technology makes it possible that the product has no shear losses during the entire change interval and is extremely stable to oxidation. This unique technology helps oil lubricate faster, thereby minimizing friction while keeping the engine clean and efficient.

With its new formulation, **RAVENOL FDS SAE 5W-30** provides a safe layer of lubrication even at very high operating temperatures and protects from corrosion and loss of oil through oxidation or coking. The excellent cold start behavior ensures optimum lubrication safety during the cold running phase.

By significantly reducing fuel consumption, **RAVENOL FDS SAE 5W-30** helps to protect the environment by reducing emissions. It minimizes friction, wear and fuel consumption with excellent cold start characteristics.

**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.

Extended oil change intervals according to the manufacturer's instructions.

## Application instructions

**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, RENAULT, Toyota, Hyundai, KIA, Mazda, Honda, Nissan und Mitsubishi, when the specifications ACEA A5/B5 are required.

- 1L | 1111139-001
- 4L | 1111139-004
- 5L | 1111139-005
- 10L | 1111139-010
- 20L | 1111139-020
- 20L | 1111139-B20
- 60L | 1111139-060
- 60L | 1111139-D60
- 208L | 1111139-208
- 208L | 1111139-D28
- 1000L | 1111139-700

## Characteristics

- 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

## Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		braun	VISUELL
Sulphated Ash	%wt.	1,2	DIN 51575
tdn	mg KOH/g	12,5	ASTM D2896
Viscosity at 100 °C	mm <sup>2</sup> /s	10,2	DIN 51659-2
Viscosity at 40 °C	mm <sup>2</sup> /s	58,35	DIN 51659-2
Viscosity Index VI		163	DIN ISO 2909
CCS Viscosity at -30 °C	mPa*s	3880	ASTM D5293
Density at 20 °C	kg/m <sup>3</sup>	843,0	EN ISO 12185
Flashpoint	°C	228	DIN EN ISO 2592
HTHS Viscosity at 150 °C	mPa*s	3,0	ASTM D5481
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	10.400	ASTM D4684
Noack Volatility	% M/M	8,9	ASTM D5800
Pourpoint	°C	-51	DIN ISO 3016