



1 L | 1111123-001
4 L | 1111123-004
5 L | 1111123-005
10 L | 1111123-010
20 L | 1111123-020
20 L | 1111123-B20
60 L | 1111123-060
60 L | 1111123-D60
208 L | 1111123-208
208 L | 1111123-D28
1000 L | 1111123-700

RAVENOL FEL SAE 5W-30

Category Passenger car motor oil

Item number 1111123

Viscosity 5W-30

Specification ACEA C2, API CF, API SN

Oil type Synthetic

Approvals JASO DL-1 (D049RAV111)

Recommendation Chrysler MS-13340, Fiat 9.55535-S1, Honda i-CTDi, Honda i-DTEC, IVECO 18-1811 CLASSE SC1, Mazda MZ-CD, Mazda 183418, Mazda 183419, Mazda CiTD, Mazda MZR-CD, PSA B71 2290, Subaru Boxer Diesel, Suzuki, Toyota 08880-83388, Toyota 08880-83389

Application Passenger car

Technology Clean Synto®

RAVENOL FEL SAE 5W-30 is a synthetic, Mid SAPS low-friction engine oil with CleanSynto® technology for passenger car gasoline and diesel engines, with and without turbocharging and direct injection.

RAVENOL FEL SAE 5W-30 is based on additives with low ash content for use in modern passenger car with diesel and gasoline engines with excellent cold start characteristics, low oil consumption and reduced pollutant emissions. This oil will increase the DPF and TWC life. HTHS >2,9 mPa*s. 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 FEL SAE 5W-30 achieved by its formulation with special base oils a high viscosity index. The excellent cold start behaviour ensures a optimal lubrication safety in the cold running phase.

Because of a considerable fuel saving **RAVENOL FEL SAE 5W-30** contributes to protect the environment by reducing the emissions.

RAVENOL FEL SAE 5W-30 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

Suitable for extended oil change intervals where recommended by manufacturer.

Application Note

RAVENOL FEL SAE 5W-30 is an universal fuel economy, especially collected engine oil for modern gasoline and diesel engines with and without turbo charger in passenger cars and vans with extended oil change intervals. Extend the lifespan of the particle filter. Due to the specific composition is **RAVENOL**

FEL SAE 5W-30 excellent suitable for use for indicated OEM requirements.

Characteristics

- 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 -25°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

Technical Product Data

Density at 20 °C	850,0	kg/m ³	EN ISO 12185
Colour	gelbbraun		VISUELL
Viscosity at 100 °C	10,7	mm ² /s	DIN 51562-1
Viscosity at 40 °C	61,4	mm ² /s	DIN 51562-1
Viscosity Index VI	166		DIN ISO 2909
HTHS Viscosity at 150 °C	3,2	mPa*s	ASTM D5481
CCS Viscosity at -30 °C	4765	mPa*s	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35 °C	16.100	mPa*s	ASTM D4684
Pourpoint	-42	°C	DIN ISO 3016
Noack Volatility	9,0	% M/M	ASTM D5800
Flashpoint	240	°C	DIN EN ISO 2592
tbn	7,7	mg KOH/g	ASTM D2896
Sulphated Ash	0,53	%wt.	DIN 51575

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