



RAVENOL FEL SAE 5W-30



ART.-NR. 1111123

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

VISCOSITY 5W-30

SPECIFICATIONS API SN | API CF | ACEA C2

FABRICATION SYNTHETIC

APPROVALS JASO DL-1 (D049RAV111)

RECOMMENDATIONS MAZDA 183419 | CHRYSLER MS-13340 | FIAT 9.55535-S1 | HONDA I-DTEC | HONDA I-CTDI | IVECO 18-1811 CLASSE SC1 | MAZDA MZR-CD | MAZDA MZ-CD | MAZDA CITD | MAZDA 183418 | PSA B71 2290 | TOYOTA 08880-83389 | TOYOTA 08880-83388 | SUBARU BOXER DIESEL | SUZUKI

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 Notes

RAVENOL FEL SAE 5W-30 is a 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

RAVENOL FEL 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 -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



Property	Unit	Data	Audit
Density at 20°C	kg/m ³	850,0	EN ISO 12185
Colour		brown	visual
Viscosity at 100°C	mm ² /s	10,7	DIN 51 562
Viscosity at 40°C	mm ² /s	61,4	DIN 51 562
Viscosity index VI		166	DIN ISO 2909
HTHS at 150°C	mPa*s	3,2	ASTM D5481
CCS Viscosity at -30°C	mPa*s	4765	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -35°C	mPa*s	16.100	ASTM D4684
Pourpoint	°C	-42	DIN ISO 3016
Noack Volatility	% M/M	9,0	ASTM D5800/b
Flash point	°C	240	DIN EN ISO 2719
TBN	mg KOH/g	7,7	ASTM D2896
Sulphated ash	%wt.	0,53	DIN 51757

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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