



## RAVENOL EFS EcoFullSynth. SAE 0W-20

RAVENOL Eco Synth EFS SAE 0W-20 is full synthetic, low-friction engine oil based on PAO (Polyalphaolefines) with CleanSynto® technology for car gasoline and diesel engines, with and without turbocharging and direct injection. Minimizes friction, wear and fuel consumption, and is suitable for extended oil drain intervals according to manufacturer's instructions. The oil formulation minimises the likelihood of Low-Speed Pre-Ignition (LSPi) of the fuel. It is recommended for turbocharged petrol engines with direct fuel injection (Turbo-GDI).

The excellent cold start performance ensures optimum lubrication during start-up, and as RAVENOL Eco Synth EFS SAE 0W-20 offers a significant fuel saving potential, the consequent reduction in emissions contributes to the protection of the environment. HTHS min. 2,9 mPa\*s.

RAVENOL Eco Synth EFS SAE 0W-20 ensures compliance with the viscosity grade oil even during long duration over the entire change interval.

### Application Notes

RAVENOL Eco Synth EFS SAE 0W-20 is universal fuel-economy engine oil, suitable for all modern passenger car gasoline and diesel engines where this grade of oil is recommended.

### Specifications

ACEA C2

### Approvals

VOLVO VCC RBS0-2AE 0W-20- Service Fill

### Practice and tested in aggregates with filling

Honda, Nissan, MAZDA, Suzuki, Toyota

### Characteristic

RAVENOL EFS EcoFullSynth. SAE 0W-20 offers:

- Guaranteed fastest possible lubrication of the engine.
- High fuel economy (FE) effect due to the base oils and additives used. Low volatilization tendency, thereby lower oil consumption.
- Provides protection against sludging, coking, varnish and corrosion even under unfavorable operating conditions.
- No oil-related deposits in combustion chambers in the piston ring zone and on valves.
- Ensures the function of the hydraulic tappets at all temperatures.
- Stable engine oil, no NOx oxidation.
- Good soot absorption and dispersion.
- Neutral towards sealing materials.

Characteristics	Unit	Data	Audit
Colour		braun	visual
Density at 20°C	kg/m <sup>3</sup>	842	EN ISO 12185
Viscosity at -35°C	mPa.s	4220	ASTM D5293
Viscosity at 40°C	mm <sup>2</sup> /s	49,4	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	9,2	DIN 51 562
Viscosity index VI		171	DIN ISO 2909
Flash point (COC)	°C	234	DIN ISO 2592
Pourpoint	°C	-63	DIN ISO 3016
TBN	mg KOH/g	7,7	ASTM D2896
Noack Volatility	%	9,1	ASTM D5800/b
Sulphated ash	%wt.	0,71	DIN 51 575
Low Temp. Pumping viscosity (MRV) at -40°C	mPa*s	13.350	ASTM D 4684

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.

07.02.2017

Ravensberger Schmierstoffvertrieb GmbH

Postfach 1163

33819 Werther

Tel.: 05203/9719-0

Fax.: 052039719-40 / 41