



1 L | 1111102-001
4 L | 1111102-004
5 L | 1111102-005
10 L | 1111102-010
20 L | 1111102-020
20 L | 1111102-B20
60 L | 1111102-060
60 L | 1111102-D60
208 L | 1111102-208
208 L | 1111102-D28
1000 L | 1111102-700

RAVENOL ECO SYNTH ECS SAE 0W-20

Category Passenger car motor oil

Item number 1111102

Viscosity 0W-20

Specification ACEA C5, API SN (RC), ILSAC GF-5

Oil type Fully synthetic

Approvals API SN Resource Conserving, Jaguar Land Rover STJLR.51.5122, MB-Freigabe 229.71

Recommendation Buick , Cadillac, Chevrolet, Chrysler MS-6395, Ford WSS-M2C947-A, GM 6094M, GM dexos1 (First Generation), Honda/Acura HTO-06, Infiniti, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota

Application Passenger car

Technology Clean Synto®, USVO®

RAVENOL Eco Synth ECS SAE 0W-20 is a PAO (Poly-alpha-olefin) based, fully 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 to be lubricated faster, thereby minimizing friction while keeping the engine clean and efficient.

RAVENOL Eco Synth ECS SAE 0W-20 utilizes the positive properties of tungsten to smooth the surface structure of the motor, reducing friction and wear, and significantly improving mechanical efficiency.

With its new formulation, **RAVENOL Eco Synth ECS SAE 0W-20** 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 Eco Synth ECS SAE 0W-20** helps to protect the environment by reducing emissions.

RAVENOL Eco Synth ECS SAE 0W-20 minimizes

friction, wear and fuel consumption with excellent cold start characteristics.

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

Application Note

RAVENOL Eco Synth ECS 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.

Characteristics

- 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 aging behavior, confirmed by the Hot Tube Test.
- Good soot absorption and dispersion.
- Neutral towards sealing materials.

Technical Product Data

Density at 20 °C	839,0	kg/m ³	EN ISO 12185
Colour	braun		VISUELL
Viscosity at 100 °C	7,9	mm ² /s	DIN 51562-1
Viscosity at 40 °C	43,1	mm ² /s	DIN 51562-1
Viscosity Index VI	156		DIN ISO 2909
HTHS Viscosity at 150 °C	2,64	mPa*s	ASTM D5481
CCS Viscosity at -35 °C	4890	mPa*s	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -40 °C	10.000	mPa*s	ASTM D4684
Pourpoint	-63	°C	DIN ISO 3016
Noack Volatility	7,4	% M/M	ASTM D5800
Flashpoint	240	°C	DIN EN ISO 2592
tbn	8,0	mg KOH/g	ASTM D2896
Sulphated Ash	0,79	%wt.	DIN 51575

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