



# RAVENOL Eco Synth ECS SAE 0W-20



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

**Kategorie:** Passenger car motor oil

**Artikelnummer:** 1111102

**Viscosity:** 0W-20

**Specifications:** ACEA C5, ACEA C6, API SN (RC), ILSAC GF-5

**Oil type:** Full synthetic

**Approvals:** API SN Resource Conserving, Jaguar Land Rover STJLR.51.5122, MB -Freigabe 229.71, Opel OV 040 1547 - A20

**Recommendations:** Buick, Cadillac, Chevrolet, Chrysler MS-6395, Fiat 9.55535-DSX, Ford WSS-M2C952-A1, Ford WSS-M2C947-A, GM 6094M, GM dexos1 (First Generation), Honda/Acura HTO-06, Infiniti, Jaguar Land Rover STJLR.03.5006, Lexus, Mazda, Mitsubishi, Nissan, PSA B71 2010, Subaru, Suzuki, Toyota

**Application:** Passenger car

**Technology:** CleanSynto, USVO

**RAVENOL Eco Synth ECS SAE 0W-20** is a PAO (Poly-alpha-olefin) 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 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 instructions

**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. It is also suitable for use in hybrid vehicles from various manufacturers.

## 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.
- Ideal for hybrid vehicles

## Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		braun	VISUELL
Sulphated Ash	%wt.	0,79	DIN 51575
tbn	mg KOH/g	9,2	ASTM D2896
Viscosity at 100 °C	mm <sup>2</sup> /s	8,2	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	41,3	DIN 51562-1
Viscosity Index VI		177	DIN ISO 2909
CCS Viscosity at -35 °C	mPa*s	4890	ASTM D5293
Density at 20 °C	kg/m <sup>3</sup>	839,0	EN ISO 12185
Flashpoint	°C	240	DIN EN ISO 2592
HTHS Viscosity at 150 °C	mPa*s	2,64	ASTM D5481
Low Temp. Pumping viscosity (MRV) at -40 °C	mPa*s	10.000	ASTM D4684
Noack Volatility	% M/M	9,4	ASTM D5800
Pourpoint	°C	-63	DIN ISO 3016