



RAVENOL EFS EcoFullSynth. SAE 0W-20



1L | 1111105-001
4L | 1111105-004
10L | 1111105-010
20L | 1111105-020
20L | 1111105-B20
60L | 1111105-060
208L | 1111105-208

Kategorie: Passenger car motor oil

Artikelnummer: 1111105

Viscosity: 0W-20

Specification: ACEA C5, ACEA C6, API SN Plus, API SP (RC), ILSAC GF-6A

Oil type: Fully synthetic

Approvals: API SN Plus, API SP Resource Conserving, BMW Longlife-17 FE+, ILSAC GF-6A, MB-Freigabe 229.71, MB-Freigabe 229.72, VOLVO VCC RBS0-2AE 0W-20 - Service Fill

Recommendation: Chrysler MS-13340, Honda, Mazda, Nissan, Opel OV 040 1547 - A20, Suzuki, Toyota

Application: Passenger car

Technology: Clean Synto®, USVO®

RAVENOL Eco Synth EFS SAE 0W-20 is a PAO (Polyalphaolefin) 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 EFS SAE 0W-20 minimizes friction, wear and fuel consumption with excellent cold start characteristics.

With its new formulation, **RAVENOL Eco Synth EFS 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.

RAVENOL Eco Synth EFS SAE 0W-20 helps to avoid low speed pre-ignition LSPI (Low Speed Pre-ignition). This can help avoid engine damage.

By significantly reducing fuel consumption, **RAVENOL Eco Synth EFS SAE 0W-20** helps to protect the environment by reducing emissions.

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

Application Note

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.

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 soot absorption and dispersion.
- Neutral towards sealing materials.

Technical Product Data

| PROPERTY | UNIT | DATA | AUDIT |
|---|--------------------|-----------|-----------------|
| Density at 20 °C | kg/m ³ | 844,0 | EN ISO 12185 |
| Colour | | gelbbraun | VISUELL |
| Viscosity at 100 °C | mm ² /s | 8,3 | DIN 51562-1 |
| Viscosity at 40 °C | mm ² /s | 42,7 | DIN 51562-1 |
| Viscosity Index VI | | 173 | DIN ISO 2909 |
| HTHS Viscosity at 150 °C | mPa*s | 2,65 | ASTM D5481 |
| CCS Viscosity at -35 °C | mPa*s | 4700 | ASTM D5293 |
| Low Temp. Pumping viscosity (MRV) at -40 °C | mPa*s | 10.240 | ASTM D4684 |
| Pourpoint | °C | -63 | DIN ISO 3016 |
| Noack Volatility | % M/M | 9,7 | ASTM D5800 |
| Flashpoint | °C | 230 | DIN EN ISO 2592 |
| tbn | mg KOH/g | 7,5 | ASTM D2896 |
| Sulphated Ash | %wt. | 0,47 | DIN 51575 |

All indicated data are approximate values and are subject to the commercial fluctuations.