

HIGHTEC SYNT RS C5 SAE 0W-20

High-performance engine oil with optimized temperature-viscosity behaviour for maximum fuel economy.

Description

HIGHTEC SYNT RS C5 SAE 0W-20 is a high-performance engine oil specifically developed for modern petrol, diesel and hybrid engines, based on a special formulation of HC synthesis oils and fully synthetic PAOs (poly-alpha-olefins). Its reduced HTHS viscosity contributes to fuel economy and thus helps to lower operating costs.



Application

HIGHTEC SYNT RS C5 SAE 0W-20 was specifically developed for modern petrol, diesel and hybrid engines in passenger cars with exhaust aftertreatment system and extended service intervals. It can meanwhile also serve as a streamlining product for SAE 0W-20 engine oils. For BMW vehicles (EU and US only), it is backwards compatible with the earlier specification BMW Longlife-14 FE+ in SAE 0W-20. Its modern viscosity grade helps it combine optimal cold start behaviour and best wear protection with maximum fuel savings in day-to-day use.

Approvals

- BMW Longlife-17 FE+
- Jaguar Land Rover STJLR 03.5006
- MB-Freigabe 229.71/229.72

Specifications

- ACEA A1/B1,C5,C6
- API SQ/SP RC/SN PLUS RC (Resource Conserving)
- ILSAC GF-7A
- Ford WSS-M2C947-B1/M2C954-A1/M2C962-A1
- GM dexosD
- Opel/Vauxhall OV 040 1547-A20
- Volvo VCC C6SP/VCC RBS0-2AE
- VWC 530 57

ROWE recommendations

- Chrysler MS-12145
- Fiat 9.55535-GSX/DSX
- Ford WSS-M2C947-A

Advantages

- backwards compatible to BMW Longlife-14 FE+ (only EU and US)
- outstanding streamlining product
- optimal fuel economy performance
- best cold start characteristics and fastest lubrication of the whole engine thanks to SAE viscosity class 0W-20
- outstandingly suitable for extended service intervals
- highest oxidation stability through special base oil formulation
- highest wear protection and stable lubricating film, also with hot oil and under extreme conditions
- future-proof additive technology for coming engine generations
- reliably prevents sticking, overcoating and coking of cylinders, pistons, valves and turbochargers
- low oil consumption thanks to very low evaporation losses
- outstandingly suitable for many hybrid engines (micro, mild, full and plug-in hybrids)
- optimal protection for modern turbo engines
- special formulation for reduced CO2 emissions
- very good compatibility with sealing materials
- blendable and compatible with conventional as well as synthetic engine oils. A full oil change is recommended, however, to enjoy all the advantages offered by HIGHTEC SYNT RS C5 SAE 0W-20.

ROWE MINERALÖLWERK GMBH
Langgewann 101, D-67547 Worms



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Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.84
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	8,14
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	40,91
Viscosity index	ASTM D2270	-	178
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	235
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-48
CCS	ASTM D-5293	cP @ °C	5500 @ -35
Total base number	DIN 51639-1	mgKOH/g	8,0
HTHS	ASTM D4683	mPas	2,63
Noack	ASTM D5800	%	9,7

These characteristics are typical for current production. The data does not constitute an assurance of properties or a guarantee of suitability for a specific application. Existing legal provisions and regulations that affect handling and usage of the products must be observed by the recipient of our products. ROWE products are continuously being developed. For this reason, ROWE retains the right to change all technical data in this product information at any time without prior announcement. Our current General Delivery and Payment Conditions apply (www.rowe-oil.com).

