

HIGHTEC SYNTH RS LONGLIFE IV SAE 0W-20

Fully synthetic, high-performance motor oil with optimised temperature-viscosity characteristics. Developed especially for modern petrol-driven and/or diesel car engines with exhaust gas after-treatment systems, including extended maintenance intervals - with and without turbocharging.

Description

HIGHTEC SYNTH RS LONGLIFE IV SAE 0W-20 is a high-performance motor oil manufactured on the basis of fully synthetic PAO's (poly-alpha olefins) with an optimised viscosity range. The optimum balance of base oils and additives - which were developed specifically for this application - result in the outstanding performance level of this motor oil.

Application

HIGHTEC SYNTH RS LONGLIFE IV SAE 0W-20 was developed especially for the current Volkswagen norm VW 508 00 / 509 00 and is thus recommended for the new 2.0 TFSI (140 kW) and 3.0 TDI CR (160 kW) engines. Furthermore, it is excellently suited for other motor vehicles which have to satisfy one of the specifications in the SAE viscosity class 0W-20. HIGHTEC SYNTH RS LONGLIFE IV SAE 0W-20 guarantees long-lasting and the highest degree of protection against engine wear with optimised fuel economy at the same time, as well as sustained engine cleanliness. In doing so, HIGHTEC SYNTH RS LONGLIFE IV SAE 0W-20 exceeds the strict requirements of Volkswagen in all mandatory engine tests.

Approvals

- VW 508 00/509 00

The quality of this product is equivalent to EU regulations

- ACEA A1/B1
- Porsche C20

Benefits

- excellently suited for extended maintenance intervals
- lowered HTHS viscosity for maximum fuel savings
- highest level of oxidation stability, thanks to PAO synthetic base oils and modern additives
- typical VW Blue Oil coloration to avoid confusion and mix-ups
- the lowest SAE viscosity grade (SAE 0W) ensures the best possible cold-start properties and rapid lubrication of the engine
- a stable lubricating film even at high oil temperatures and extreme loads means the highest possible protection against wear
- excellently suited for turbo engines
- sustainable and safe additive technology for future motor generations
- reliably prevents sticking, lacquer and carbon formation on cylinders, pistons, valves, turbo-chargers,
- low oil consumption, thanks to very low loss by vaporisation
- miscible and compatible with both conventional and synthetic motor oils. In order to exploit the full product benefits of HIGHTEC SYNTH RS LONGLIFE IV SAE 0W-20, however, a complete oil change is recommended.

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0,84
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	40,4
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	8,1
Viscosity index	ASTM D-7042	-	181
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-49
CCS	ASTM D-5293	cP @ °C	3500 @ -35
Total base number	DIN 51639-1	mgKOH/g	8,2
HTHS	ASTM D4683	mPas	min. 2,6

The characteristics shown are typical of current production. This data cannot be constructed as a legally binding warranty or guaranty of certain product properties or of the suitability of the product for a specific application. ROWE products are continually improved. Therefore ROWE reserves the right to change all the technical data in this product information at any time without notice. All sales and deliveries shall be subject to our current General Terms and Conditions of Sale and Terms (www.rowe.com.de).

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