PRODUCT INFORMATION

HIGHTEC SYNTH RS SAE 0W-40

Fully synthetic, high-performance engine oil with optimised temperature-viscosity behaviour. Developed specifically for modern and sporty passenger cars equipped with Otto or diesel engines, with or without turbocharging.

Description

HIGHTEC SYNTH RS SAE 0W-40 is a high-performance engine oil with an optimal viscosity grade produced using fully synthetic poly-alpha-olefins (PAO). Its high level of performance is achieved through the interaction of these fully synthetic base oils with their naturally high viscosity index (VI) and the advanced additives.

Application

HIGHTEC SYNTH RS SAE 0W-40 exhibits an excellent cold-start behaviour and fast lubrication at the lowest temperatures. At the same time, it provides a stable lubricating film for safe wear protection, even with hot oil and under excessive loads. HIGHTEC SYNTH RS SAE 0W-40 is especially recommended for a sporty driving style and when the vehicle is driven at full power, as well as under severe weather conditions.

The quality of this product is equivalent to EU regulations

- ACEA A3/B4
- API SN
- MB 229.5
- Porsche A40
- PSA B71 2296
- VW 502 00/505 00

Additionally this product is recommended when the following filling instructions are required

- API CF
- BMW Longlife-01
- Fiat 9.55535-M2/N2/Z2
- Ford WSS-M2C937-A

Benefits

- Fuel economy due to low-viscosity characteristics
- Safe cold start and quick lubrication of the engine, even at low temperatures
- Safer year-round operation due to outstanding viscosity-temperature behaviour and high shear stability
- Stable lubricating film, even with hot oil and under excessive loads, and the best wear protection
- The fully synthetic PAO base oils and the most advanced additives provide the highest oxidation stability
- Eminently suitable for turbocharged engines
- Prevention of adhesion, lacquering and coking of cylinders, pistons, valves and turbochargers in a reliable manner
- First-class economy grade for multi-functional use in diesel and Otto engines from different manufacturers
- Reliable protection against ‘black sludge’
- Low oil consumption due to a very low evaporation loss
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC SYNTH RS SAE 0W-40, a complete oil change is recommended.

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.854
Kinematic viscosity KV 40	ASTM D-7042	mm^2/s	81,7
Kinematic viscosity KV 100	ASTM D-7042	mm^2/s	14,2
Viscosity index	ASTM D-7042	-	180
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	242
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-44
CCS	ASTM D-5293	cP @ °C	5100 @ -35
Total base number	DIN 51639-1	mgKOH/g	10,5
HTHS	ASTM D4683	mPas	4,0

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-oil.com).

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