

## 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.

### Specifications

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

### ROWE recommendations

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

### Advantages

- 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               | 0.845      |
| Kinematic viscosity KV 100 | ASTM D-7042                 | mm <sup>2</sup> /s | 14,2       |
| Kinematic viscosity KV 40  | ASTM D-7042                 | mm <sup>2</sup> /s | 81,7       |
| Viscosity index            | ASTM D2270                  | -                  | 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        |

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](http://www.rowe-oil.com)).

