

## HIGHTEC SYNT RS DLS SAE 5W-40

High-performance engine oil developed specifically by BMW, Mercedes-Benz, Opel and VW for the requirements of the European market for models with exhaust after-treatment and turbocharging.

### Description

HIGHTEC SYNT RS DLS SAE 5W-40 is a specially developed engine oil based on selected HC synthetic base oils for modern passenger car Otto and diesel engines with exhaust after-treatment (diesel particulate filters) and turbocharging.

### Application

HIGHTEC SYNT RS DLS SAE 5W-40 has been developed specifically to meet the needs of modern petrol and diesel vehicles. It meets the requirements of many vehicle manufacturers and the ACEA C3 concerning a so-called low ash product. It is used in vehicles equipped with Otto and diesel engines, with or without exhaust after-treatment systems (DPF = Diesel Particulate Filter), according to the manufacturer's specification. It is therefore equally suitable for vehicles with or without turbocharging. In BMW vehicles, it is backward compatible with former specifications such as BMW LongLife-01/98. It covers the former specification GM-LL-A-025 or GM-LL-B-025 in Opel/GM vehicles.

### Approvals

- BMW Longlife-04
- MB-Freigabe 229.31/229.51/229.52
- Porsche C40
- VW 511 00

### Equivalent quality in accordance with EU-law as per

- ACEA C3
- API SN
- GM dexos2
- Renault RN 0700/0710

### This product is also recommended when the following filling instructions are required

- API CF
- Fiat 9.55535-S2

### Advantages

- First-class economy grade for multi-functional use in diesel and Otto engines from different manufacturers
- The low sulphated ash, low phosphorus and sulphur content protects diesel particulate filters and catalytic converters
- Hinders the formation of deposits in the engine. As a result, it guarantees first-rate operational safety performance and low maintenance costs.
- Low oil consumption due to a very low evaporation loss
- Good cold-starting properties and rapid engine lubrication
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC SYNT RS DLS SAE 5W-40, a complete oil change is recommended.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.852
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	13,2
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	70,52
Viscosity index	ASTM D2270	-	192
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	220
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-30
CCS	ASTM D-5293	cP @ °C	5800 @ -30
Total base number	DIN 51639-1	mgKOH/g	7,8
HTHS	ASTM D4683	mPas	3,8

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)).

