

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

The quality of this product is equivalent to EU regulations

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

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

- API CF

Benefits

- 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.



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Typical characteristics

| Property | Method | Unit | Value |
|----------------------------|-----------------------------|--------------------|------------|
| Density at 15 °C | ASTM D-7042 | g/ml | 0.852 |
| Kinematic viscosity KV 40 | ASTM D-7042 | mm ² /s | 70,52 |
| Kinematic viscosity KV 100 | ASTM D-7042 | mm ² /s | 13,2 |
| Viscosity index | ASTM D-7042 | - | 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 |

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