

## HIGHTEC MULTI FORMULA SAE 5W-40

Multi-functional, high-performance engine oil of viscosity grade SAE 5W-40.

### Description

HIGHTEC MULTI FORMULA SAE 5W-40 is a high-performance engine oil with a wide area of application produced using HC synthetic oil and special additives. Developed specifically for modern passenger cars with or without extended maintenance intervals (WIV/LongLife Service) and with exhaust after-treatment systems.

### Application

HIGHTEC MULTI FORMULA 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 at the same time. It is used in vehicles with exhaust after-treatment systems (DPF = Diesel Particulate Filter), in VW 'Pumpe-Düse' (unit injector or 'PD') engines, as well as in vehicles with petrol and diesel engines, with or without turbocharging, according to the manufacturer's specification.

### Approvals

- MB-Freigabe 229.31/229.51
- VW 505 00/505 01

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

- ACEA C3
- API SN
- Fiat 9.55535-S2
- Ford WSS-M2C917-A
- GM dexos2
- MB 226.5
- Porsche A40
- Renault RN 0700/0710

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

- API CF
- BMW Longlife-04
- Fiat 9.55535-T2

### Advantages

- First-class economy grade for multi-functional use in diesel and Otto engines from different manufacturers
- It meets the requirements of the VW 'Pumpe-Düse' (unit injector or 'PD') VW 505 01 specification
- 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 MULTI FORMULA SAE 5W-40, a complete oil change is recommended.

ROWE MINERALÖLWERK GMBH  
Langgewann 101, D-67547 Worms



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## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.847
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	14,4
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	86
Viscosity index	ASTM D2270	-	174
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	230
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-33
CCS	ASTM D-5293	cP @ °C	5850 @ -30
Total base number	DIN 51639-1	mgKOH/g	7,9
HTHS	ASTM D4683	mPas	3,7

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)).

