

## HIGHTEC MULTI FORMULA SAE 5W-50

Multi-functional, high-performance engine oil developed specifically for modern passenger cars with or without extended maintenance intervals (WIV/LongLife Service) and with exhaust after-treatment systems.

### Description

HIGHTEC MULTI FORMULA SAE 5W-50 is a high-performance engine oil with a wide area of application produced using HC synthetic oil and special additives.

### Application

HIGHTEC MULTI FORMULA SAE 5W-50 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 petrol-driven and diesel-driven vehicles, with or without turbocharging, according to the manufacturer's specification.

### The quality of this product is equivalent to EU regulations

- ACEA C3
- API SN

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

- API CF
- BMW Longlife-04
- Fiat 9.55535-S2/T2
- Ford WSS-M2C917-A
- GM dexos2
- MB 229.31/229.51/226.5
- Porsche A40
- Renault RN 0700/0710
- VW 502 00/505 00/505 01

### 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 oil brands. However, in order to exploit the full product benefits of HIGHTEC MULTI FORMULA SAE 5W-50, a complete oil change is recommended.

### Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.867
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	114
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	18,5
Viscosity index	ASTM D-7042	-	181
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	230
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-30
CCS	ASTM D-5293	cP @ °C	6000 @ -30
Total base number	DIN 51639-1	mgKOH/g	7,1
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.com.de).

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