

## HIGHTEC SYNT RSB 12FE SAE 0W-30

Fuel efficient, high performance engine oil with lowered cold viscosity, especially developed for vehicles that require an oil of the BMW Longlife-12 FE or ACEA C2 specification.

### Description

HIGHTEC SYNT RSB 12FE SAE 0W-30 was especially developed for modern automobiles with petrol and diesel engines equipped with exhaust gas treatment (diesel particle filter = DPF) with and without turbocharger. In this context, fulfilment of both the ACEA C2 specification and the Longlife-12 FE BMW manufacturer's specification were paramount. Thus, HIGHTEC SYNT RSB 12FE SAE 0W-30 with its low sulphate ash content and the lowered HTHS (high temperature high shear) viscosity complies with these strict requirements.

### Application

Thanks to its reduced sulphate ash content, HIGHTEC SYNT RSB 12FE SAE 0W-30 protects the particle filter while offering extreme fuel savings potential owing to the excellent low-friction characteristic and lowered HTHS and cold viscosity. HIGHTEC SYNT RSB 12FE SAE 0W-30 is used according to the manufacturer's specifications in vehicles with petrol and diesel engines with and without turbocharger and diesel particle filter.

### Approvals

- BMW Longlife-12 FE
- DTFR 15D100 (ex. MB 227.61)
- MB-Freigabe 229.61

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

- ACEA A5/B5,C2
- API SP RC/SN PLUS RC (Resource Conserving)
- ILSAC GF-5/-6A
- Ford WSS-M2C950-A
- VWC 530 35

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

- Chrysler MS 13340

### Advantages

- Suitable for many modern BMW engines
- Usable across brands due to ACEA C2 fulfilment
- At least 2.8% fuel savings (CEC L-54-T-96)
- Ideally suitable for modern turbocharged engines
- Very good low temperature properties for the engine's optimal wear protection at low outside temperatures
- Excellent cold-start properties and fast engine oiling
- Complies with the strict guidelines of BMW Longlife-12 FE with regard to engine cleanliness, fuel efficiency and wear
- Maximum oxidation stability owing to special HC synthesis base oils and fully synthetic PAOs (polyalphaolefins) as well as specifically engineered additivation
- Low oil consumption owing to very low evaporation loss
- Outstanding acid neutralisation behaviour
- Low sulphate ash and low phosphorous and sulphate content protect diesel particle filters and catalytic converters
- Stable lubricating film even with hot oil and extreme stress
- Reliable protection against 'black sludge'
- Safe year-round operation owing to outstanding viscosity-temperature behaviour and high shear stability
- Miscible and compatible with conventional and synthetic engine oils. However, to take full advantage of the product benefits of HIGHTEC SYNT RSB 12FE SAE 0W-30, we recommend a full oil change.



## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0,841
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	9,9
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	53,4
Viscosity index	ASTM D2270	-	175
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	234
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-39
CCS	ASTM D-5293	cP @ °C	5688 @ -35
Total base number	DIN 51639-1	mgKOH/g	8,0
HTHS	ASTM D4683	mPas	min. 2,9

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)).

