

## HIGHTEC SYNT RS D1 SAE 5W-20

Extremely fuel-efficient, high-performance engine oil based on HC synthetic base oils. Specifically developed to meet the stringent API SP RC, ILSAC GF-6A and GM dexos1 Gen 3 requirements.

### Description

HIGHTEC SYNT RS D1 SAE 5W-20 is a high-performance engine oil based on HC synthetic base oils. It provides a significant fuel saving potential, excellent wear and catalytic converter protection and ensures excellent cleanliness of the engine and pistons at the same time. Specifically developed to meet the stringent API SP RC (resource conserving), ILSAC GF-6A and GM dexos1 Gen 3 requirements.

### Application

HIGHTEC SYNT RS D1 SAE 5W-20 is used in modern petrol engines, especially from American and Asian manufacturers according to the manufacturer's specification. It extends the functionality of 3-way catalytic converters, ensures clean pistons and engines, prevents deposits in turbochargers (black sludge) as well as corrosion and white sludge, even when ethanol fuels (E85) are used.

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

- API SP RC/SN PLUS RC (Resource Conserving)
- ILSAC GF-5/-6A
- GM dexos1 Gen 3

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

- Chrysler MS6395
- Ford WSS-M2C945-A/-B1/960-A1

### Advantages

- Excellent economy grade for passenger cars equipped with petrol engines, especially those manufactured in America and Asia
- It meets the ILSAC GF-6A requirements and is backward compatible with GF-5, GF-4 and GF-3
- It meets the API SP RC requirements (resource conserving) for improved fuel efficiency and reduced CO2 emissions and is backward compatible with API SN PLUS RC, SN, SM, SL, SJ
- best LSPI performance protects against unwanted pre-ignition
- It prevents the deactivation of the stainless steel surfaces in a 3-way catalytic converter with reduced phosphorus entry
- The excellent resistance during operation with ethanol (E85) protects against corrosion and white sludge
- Improved piston, turbocharger and engine cleanliness for reliable operation, maximum mileage and lower service costs
- Very good cold-starting properties and rapid engine lubrication
- Low oil consumption due to a very low evaporation loss
- Highest oxidation stability due to special HC synthetic oils
- Miscible and compatible with conventional and synthetic engine oils. However, in order to exploit the full product benefits of HIGHTEC SYNT RS D1 SAE 5W-20, a complete oil change is recommended.

### Notes

- HIGHTEC SYNT RS D1 SAE 5W-20 has been developed for performance capability and fuel-efficiency in modern passenger car petrol engines. HIGHTEC SYNT RS D1 SAE 5W-20 is not recommended for use in diesel engines!

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## Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0,844
Kinematic viscosity KV 100	ASTM D-7042	mm <sup>2</sup> /s	9,0
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	51
Viscosity index	ASTM D2270	-	160
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	228
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	4500 @ -30
Total base number	DIN 51639-1	mgKOH/g	7,4
HTHS	ASTM D4683	mPas	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)).

