

HIGHTEC SYNT RS D1 SAE 0W-16

High performance multi-grade motor oil for maximum fuel efficiency, especially designed for state-of-the-art petrol and hybrid vehicles that need a motor oil of viscosity grade SAE 0W-16. Excellent for micro, mild, full and plug-in hybrid vehicles according to manufacturer's specifications.

Description

HIGHTEC SYNT RS D1 SAE 0W-16 is a special product specifically developed for modern hybrid and petrol-powered vehicles. Its particular viscosity plays a major part in achieving maximum fuel efficiency. The high API (American Petroleum Institute) thresholds for engine cleanliness and fuel economy have even been exceeded by HIGHTEC SYNT RS D1 SAE 0W-16.



Application

HIGHTEC SYNT RS D1 SAE 0W-16 with its special mixture of additives combined with selected HC synthetic oils provides both extreme fuel efficiency and the highest levels of wear and component protection. HIGHTEC SYNT RS D1 SAE 0W-16 is used in vehicles with petrol and hybrid engines with and without turbochargers in accordance with manufacturer's stipulations. It is suitable for all hybrid systems such as micro, mild, full and plug-in hybrids.

Equivalent quality in accordance with EU-law as per

- API SP RC/SN PLUS RC (Resource Conserving)
- ILSAC GF-5/6B

Advantages

- excellent cold start characteristics and fastest motor oiling
- outstanding fuel efficiency thanks to reduced viscosity range
- safe year-round operation with excellent viscosity temperature behaviour and high shear stability
- perfectly suited for all hybrid engines (mikro, mild, full, plug-in engines)
- optimal protection for modern turbomotors
- stable lubricating film and best wear protection even with hot oil and extreme loads
- State-of-the-art HC synthesis base oils and additives ensure excellent oxidation stability and therefore resistance to ageing
- Reduction of hydrodynamic friction
- reliably prevents adhesion, varnishing and coking of cylinders, pistons, valves and turbo chargers
- reliable protection against 'black mud'
- low oil consumption due to very low evaporation loss
- Cost savings due to reduced fuel consumption, see example
- Miscible and compatible with conventional and synthetic motor oils. A complete oil change is recommended to get the full benefits of HIGHTEC SYNT RS D1 SAE 0W-16, however.
- The formulation of the HIGHTEC SYNT RS D1 SAE 0W-16 has proven its fuel efficiency capabilities during the ILSAC (International lubricants standardisation and approval Committee) GF-5 test. During the VID test sequence (ASTM D7589), fuel savings of 2.6% were achieved. Up to 40 € fuel savings per year by using HIGHTEC SYNT RS D1 SAE 0W-16 (at 15,000 km/year and fuel consumption of 7l/100km) compared to the reference oil.

Notes

- This high-performance product may only be used in modern engines which are explicitly approved for viscosity class SAE 0W-16 motor oils.



Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.842
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	7,2
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	36
Viscosity index	ASTM D2270	-	172
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	236
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	4000 @ -35
Total base number	DIN 51639-1	mgKOH/g	8,5
HTHS	ASTM D4683	mPas	2,48

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).

