PRODUCT INFORMATION

HIGHTEC RACING MOTOR OIL SAE 5W-40

HIGHTEC RACING MOTOR OIL SAE 5W-40 is a fully synthetic high-performance engine oil that has been specifically developed for use under the most challenging racing conditions and is successfully used by various race teams in a great variety of racing series.

Description

HIGHTEC RACING MOTOR OIL SAE 5W-40 is based on the specifically developed MULTI-ESTER TECHNOLOGY which, in combination with top-quality, fully synthetic PAOs (polyalphaolefins), forms a perfect basis for motorsports engine oils. The additives are specifically attuned to this and lend the product all the properties required for winning races. The greatest importance was meanwhile attached to protecting the highly stressed racing engines. Another development focus for our motorsports engine oils was on an extremely high oxidation and viscosity stability, offering extreme advantages for the longest racing assignments. This technology has enabled the ROWE RACING TEAM to reach a great number of different podium positions, for example the overall victory in the legendary Total 24 Hours of Spa-Francorchamps in the year 2016.
Ever since its introduction, HIGHTEC RACING MOTOR OIL SAE 5W-40 has reliably prevented oil-related engine damage in a great number of races and a broad range of categories.

Application

Our HIGHTEC RACING MOTOR OIL SAE 5W-40 has been specifically developed for use in ultra-stressed racing cars. It is suitable for use in suction engines with high-revving concepts as well as for supercharged engines such as turbo and compressor engines. It reliably protects your engine from wear and prevents residues that could damage the engine or turbocharger. The extremely stable HIGHTEC RACING MOTOR OIL SAE 5W-40 has been developed for motorsports use through to 24-hour races and continually ensures a stable oil pressure and the highest component protection. This makes it ideal for protecting your engine in a wide range of application scenarios such as sprint, dragster, long-distance, rally and mountain races.

Benefits

- unique MULTI-ESTER TECHNOLOGY guarantees maximum shear stability and engine protection for the longest racing assignments through to 24-hour races
- special racing engine oil for four-stroke engines
- high-performance engine oil for high-revving suction and supercharged turbo and compressor engines
- equally suitable for (direct) injection and carburettor engines
- prevents deposits in turbochargers and other components exposed to great thermal stress
- broad temperature application range for flexible use
- guarantees stable oil pressure and optimal heat extraction throughout the entire change interval
- outstanding wear and component protection
- cutting-edge additive technology for unique engine cleanness
- extremely stable oil film even in the most challenging racing assignments
- mixable and compatible with conventional as well as synthetic engine oils. A complete oil change is recommended, however, to enjoy the full benefit of the product's advantages.

Notices

HIGHTEC RACING MOTOR OIL SAE 5W-40 has been specifically developed for use in extreme racing conditions. Particular importance was meanwhile attached to maximum reliability and protection from wear. We therefore only recommend it for competitive environments. HIGHTEC RACING MOTOR OIL SAE 5W-40 is successfully used in motorsports and, amongst others, recommended for use in the following vehicles:

- Aston Martin Vantage GT12 441 kW (600 PS)
- Audi RS6 Avant Performance 445 kW (605 PS)
- Audi S3 228 kW (310 PS)
- BMW M6 Competition 441 kW (600 PS)
- BMW M2 272 kW (370 PS)
- Chevrolet Corvette Z06 485 kW (659 PS)
- Ferrari F12 tdf 574 kW (780 PS)
- Ford Focus RS 257 kW (350 PS)
- Lamborghini Gallardo 368 kW (500 PS)
- Mercedes-Benz AMG GT S 375 kW (510 PS)
- Mercedes-Benz C63 S 5 375 kW (510 PS)
- Nissan GT-R Nismo (R35) 447 kW (600 PS)
- Opel Astra OPC 206 kW (280 PS)
- Porsche 911 (991) GT3 RS 368 kW (500 PS)
- Volkswagen Golf VII R (300 PS)

ROWE MINERALÖLWERK GMBH
Langgewann 101, D-67547 Worms

Are you looking for the correct oil for your vehicle?
Scan this code for the ROWE-oilfinder.

PRODUCT INFORMATION

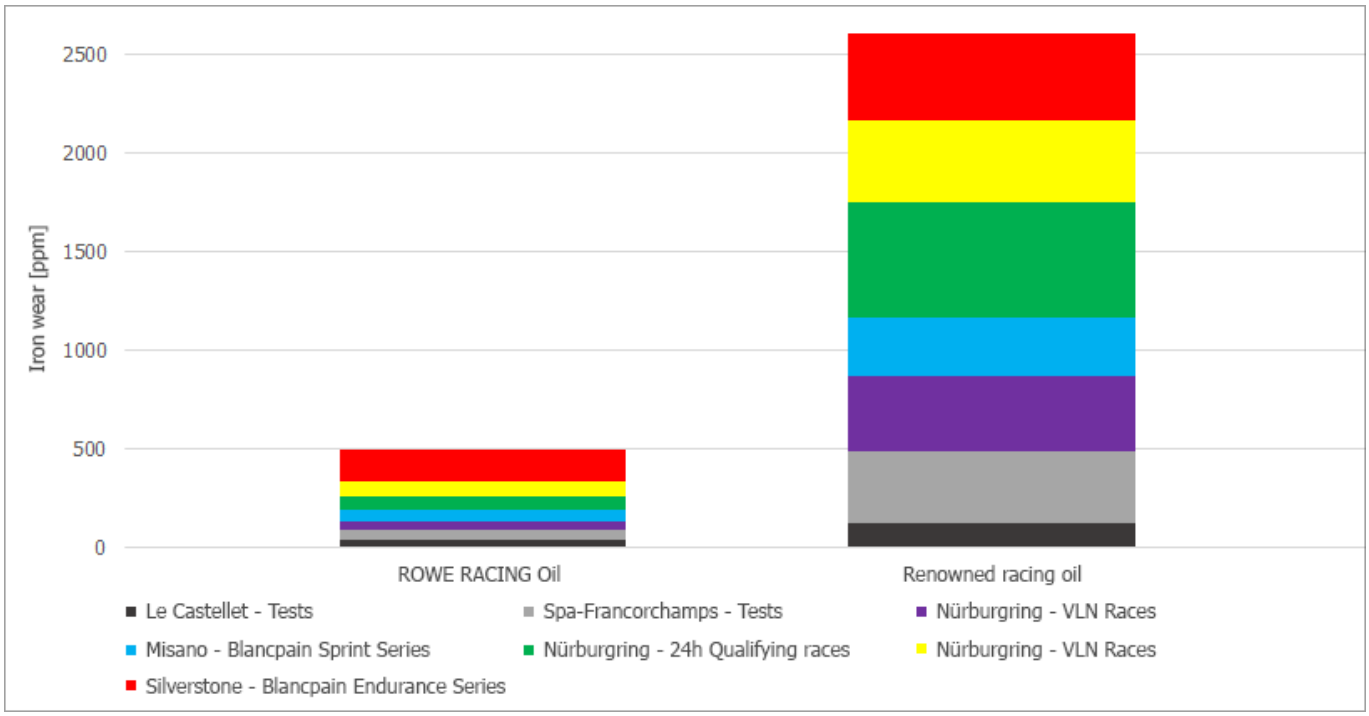
HIGHTEC RACING MOTOR OIL SAE 5W-40

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.85
Kinematic viscosity KV 40	ASTM D-7042	mm^2/s	90
Kinematic viscosity KV 100	ASTM D-7042	mm^2/s	14,7
Viscosity index	ASTM D-7042	-	172
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	238
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	5800 @ -30
Total base number	DIN 51639-1	mgKOH/g	7,8
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-oil.com).

Iron wear comparison



The diagram (above) shows the iron wear accumulated over several races/test drives. The iron already shows more wear with the renowned racing oil after the third run (right) than it does with the ROWE RACING oil (left) after all 7 races / test drives together.

ROWE MINERALÖLWERK GMBH
Langgewann 101, D-67547 Worms

Are you looking for the correct oil for your vehicle?
Scan this code for the ROWE-oilfinder.