PRODUCT INFORMATION

ROWE®

HIGHTEC RACING MOTOR OIL SAE 10W-40

HIGHTEC RACING MOTOR OIL SAE 10W-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

The HIGHTEC RACING MOTOR OIL SAE 10W-40 is based on the specially developed MULTI-ESTER TECHNOLOGY. In combination with the highest-quality fully synthetic PAOs (poly alpha olefins), this provides the perfect basis for racing motor oils. Optimally matched additives lend this product all the properties needed to win races. At the same time, the greatest importance was also placed on ensuring protection of highly stressed racing engines. A further development focus of our racing motor oils was extremely high oxidation and viscosity stability, offering outstanding benefits in even the longest races. The ROWE RACING TEAM has achieved a large number of podium finishes thanks to this technology. These include overall victories in the legendary 24 Hours of Spa-Francorchamps race in the years 2016, 2020 and 2023. The team were also overall winners of the famous Nürburgring 24 Hours race in 2020. Ever since its introduction, HIGHTEC RACING MOTOR OIL SAE 10W-40 has reliably prevented oil-related engine damage in numerous races in a wide range of different classes.

Application

Our HIGHTEC RACING MOTOR OIL SAE 10W-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 10W-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.

Advantages

- 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.

Notes

- HIGHTEC RACING MOTOR OIL SAE 10W-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.

ROWE MINERALÖLWERK GMBH
Langgewann 101, D-67547 Worms

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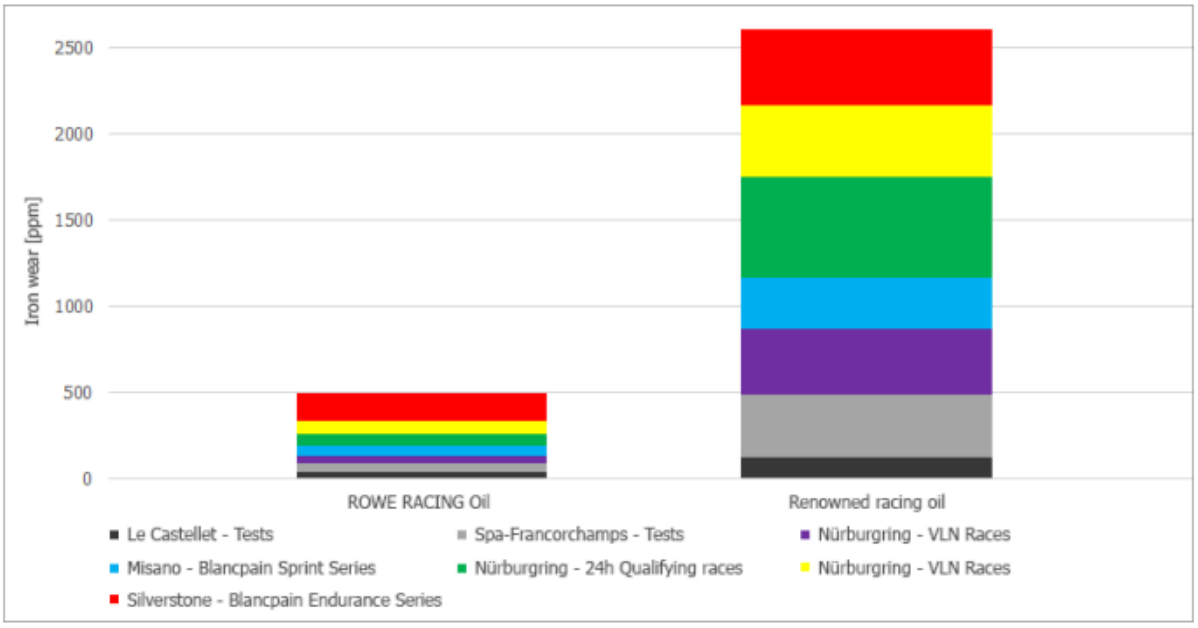
Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.855
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	12,8
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	85
Viscosity index	ASTM D2270	-	153
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-36
CCS	ASTM D-5293	cP @ °C	5900 @ -25
Total base number	DIN 51639-1	mgKOH/g	8,1
HTHS	ASTM D4683	mPas	4,0

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).

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.

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