HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS

Fully synthetic, high-performance racing gearbox oil of viscosity grade SAE 75W-140 for use in sequential manual gearboxes and axle gears running at maximum loads during racing with multi-disc locks.

Description

HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS is a high-performance gearbox oil of SAE grade 75W-140. It is based on fully synthetic poly-alpha-olefins (PAO) and esters, developed specifically and tested for and in vehicles used for racing. Its exceptionally high level of performance is achieved through the interaction of these fully synthetic base oils with their naturally high viscosity index (VI) and the advanced additives.

Application

HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS provides a stable lubricating film for safe wear protection and the highest reliability, even under maximum load. In so doing, it outperforms the API GL5 wear protection requirements. HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS has provided an impressive demonstration of its performance capacity as part of the VLN endurance championship and the 24h race at the Nürburgring and is suitable for use in axle gears with multi-disc locking differentials and sequential manual gearboxes.

Advantages

- Tried and tested, high-performance gearbox oil for safe wear protection and the highest reliability during racing
- Excellent resistance to thermal and mechanical loads
- Extremely stable to shear stress - 'Stay-in-grade'
- The fully synthetic PAO and ester base oils and the most advanced additives provide the highest oxidation stability and wear protection
- Stable lubricating film, even with very hot oil and under very high loads. As a result, reduced wear and maximum reliability
- LS (Limited Slip) performance for axle gears with multi-disc locking differentials
- Miscible and compatible with conventional and synthetic gearbox oils. However, in order to exploit the full product benefits of HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS, a complete gearbox oil change is recommended.

Notes

- HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS is not suitable for use in 'stepped' automatic transmissions, in DCT/DSG transmissions (with dual-clutch running in oil bath) or CVT (continuously variable or 'non-stepped' automatic) transmissions.
- HIGHTEC RACING DIFFERENTIAL GEAR OIL SAE 75W-140 LS has been developed specifically for use under extreme racing conditions. In so doing, particular attention was paid to maximum wear protection and reliability. The general suitability for daily use was, however, neglected as a result. We therefore recommend the use of this oil in competitive environments only, rather than for day-to-day operations.

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

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.872
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	26,6
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	197,3
Viscosity index	ASTM D2270	-	171
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	220
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-32

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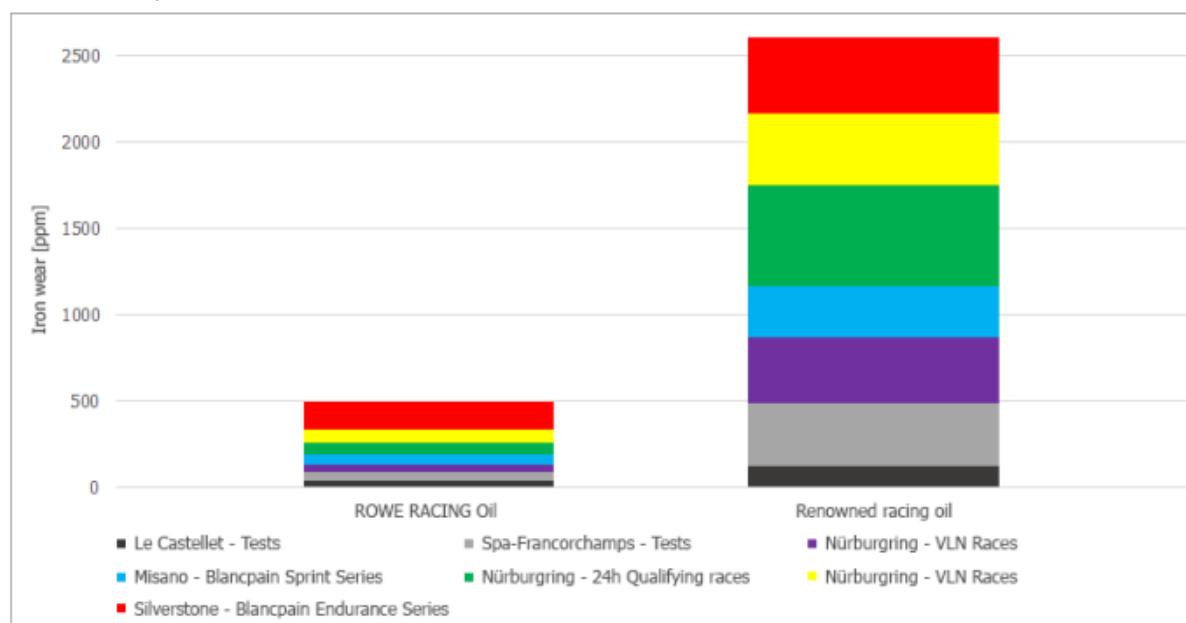
The diagram (above) shows the iron wear accumulated over several races/test drives. The iron already shows more wear with the renowned racing oil after the third run (right) than it does with the ROWE RACING oil (left) after all 7 races / test drives together.