PRODUCT INFORMATION

ROWE®

HIGHTEC TOPGEAR SAE 75W-90 S

Fully synthetic, multigrade gearbox oil of performance rating API GL-4/5 for multi-functional use in axle gears and manual gearboxes in passenger cars, heavy-goods vehicles, agricultural and construction machinery and work machines.

Description

HIGHTEC TOPGEAR SAE 75W-90 S is a high-performance gearbox oil of SAE grade 75W-90. It is based on fully synthetic poly-alpha-olefins (PAO) and esters in conjunction with the most advanced additive technology.

Application

HIGHTEC TOPGEAR SAE 75W-90 S is used for conventional manual gearboxes and axle gears in passenger cars, heavy-goods vehicles, land and construction machinery and work machines according to the manufacturer's specifications.

Approvals

- DTFR 12B140 (ex. MB 235.8)

Specifications

- API GL-4/GL-5/MT-1
- MIL-L-2105D, MIL-PRF-2105E
- SAE J2360
- Detroit Fluids DFS93K219.01
- Mack GO-J
- MAN 342 Type M3, 342 Type S1, 341 Type E3, 3343 Type S
- Meritor 076-N
- Scania STO 1:0, STO 2:0A FS
- Volvo 97312
- ZF TE-ML 02B, 05B, 07A, 08, 12B, 12L, 12N, 16F, 17B, 19C, 21B

ROWE recommendations

- BMW OSP
- DTFR 12B100 (ex. MB 235.0)
- Ford SQM-2C-9002 AA, M2C200-C
- GM 1940182, 1940768, M75/1
- MAN 342 Type M2, 341 Type Z2
- MB 235.72
- MF 1134
- VW G 50/51 (VW 501.50/501.51), G052 190, G052 911
- ZF TE-ML 05A, 12E, 16B, 19B, 21A

Advantages

- First-class economy grade for multi-functional use in axle gears and manual gearboxes in passenger cars, heavy-goods vehicles, agricultural and construction machinery and work machines
- Very good protection against wear and corrosion
- High temperature and oxidation stability due to fully synthetic base oils and special additives
- Extremely stable to shear stress - 'Stay-in-grade'
- Stable lubricating film, even with very hot oil and under very high loads. As a result, reduced wear and lower gearbox noise
- The favourable cold viscosity ensures improved shifting ability, fast lubrication and low 'cold wear'
- Miscible and compatible with conventional and synthetic gearbox oils. However, in order to exploit the full product benefits of HIGHTEC TOPGEAR SAE 75W-90 S, a complete gearbox oil change is recommended.

Notes

- Not suitable for use in automatic transmissions, DCT/DSG transmissions with a wet-type dual clutch, or CVT (continuously variable transmission) systems.

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Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.862
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	15,5
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	78,5
Viscosity index	ASTM D2270	-	210
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	192
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-44

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).

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