

HIGHTEC TOPGEAR SAE 80W-90 HC

High-performance, multigrade gearbox oil based on HC synthetic oils. Multi-functional use in manual gearboxes and axle drives in passenger cars, heavy-goods vehicles, buses, off-road vehicles and work machines.

Description

HIGHTEC TOPGEAR SAE 80W-90 HC is a high-performance gearbox oil of SAE grade 80W-90 produced using HC synthetic oil with a specially selected combination of additives. It is characterised by a high thermal load capacity and provides a stable lubricating film, even under continuous stress.

The quality of this product is equivalent to EU regulations

- SAE J2360
- API GL-4/GL-5/MT-1
- AVTOVAZ
- Mack GO-J
- MAN 341 Type E2/Z2/342 Type M2
- MB 235.0
- MERITOR
- NATO O-226
- Scania STO 1:0
- ZF TE-ML 02B, 05A, 07A, 08, 12E, 16B/C/D, 17A/B, 19B, 21A

Additionally this product is recommended when the following filling instructions are required

- MF 1134
- MIL-L-2105D/PRF-2105E
- Volvo 97310/97312

Benefits

- Outstanding protection against wear and corrosion as well as good compatibility with non-ferrous metals
- High level of oxidation protection by means of selected HC synthetic 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 in comparison with SAE 90, 85W, 85W-90 oils ensures improved shifting ability, faster lubrication and lower 'cold wear'
- Suitable for non-synchronised and synchronised gearboxes
- It is an ideal 80W90 economy grade product due to its multi-functional application in manual gearboxes, hypoid axle gears, and planetary gearboxes as well as auxiliary drives and steering gearboxes
- Miscible and compatible with conventional and synthetic gearbox oils. However, in order to exploit the full product benefits, a complete gearbox oil change is recommended.

Typical characteristics

Property	Method	Unit	Value
Density at 15 °C	ASTM D-7042	g/ml	0.881
Kinematic viscosity KV 40	ASTM D-7042	mm²/s	119,3
Kinematic viscosity KV 100	ASTM D-7042	mm²/s	15,0
Viscosity index	ASTM D-7042	-	131
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	198
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-30

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).

