

## 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.

### Equivalent quality in accordance with EU-law as per

- 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

### This product is also recommended when the following filling instructions are required

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

### Advantages

- 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 100	ASTM D-7042	mm <sup>2</sup> /s	15,0
Kinematic viscosity KV 40	ASTM D-7042	mm <sup>2</sup> /s	119,3
Viscosity index	ASTM D2270	-	131
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	198
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-30

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](http://www.rowe-oil.com)).

