

## HIGHTEC TOPGEAR SAE 80W-90

Multigrade, EP gearbox oil of performance rating API GL-4. Multi-functional use in manual and steering gearboxes as well as for axle gears subjected to normal loads in passenger cars, heavy-goods vehicles and buses.

### Description

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

### Specifications

- API GL-4
- DTFR 13B100 (ex. MB 235.1)
- MAN 341 Type Z1/E1
- ZF TE-ML 02A, 08

### Advantages

- Outstanding protection against wear and corrosion as well as good compatibility with non-ferrous metals
- 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
- 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  | 0.885 |
| Kinematic viscosity KV 100 | ASTM D-7042                 | mm²/s | 14,4  |
| Kinematic viscosity KV 40  | ASTM D-7042                 | mm²/s | 138,7 |
| Viscosity index            | ASTM D2270                  | -     | 103   |
| Flash point                | ASTM D-92 / DIN EN ISO 2592 | °C    | 240   |
| Pour point                 | ASTM D-97 / DIN EN ISO 3016 | °C    | -25   |

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.rowemotoroil.net](http://www.rowemotoroil.net)).