

## HIGHTEC HYPOID EP SAE 85W-90 LS

High-performance gearbox oil with LS (Limited Slip) properties for axle gears subjected to high loads in heavy-goods vehicles, buses, as well as construction and agricultural machinery with or without self-locking differentials.

### Description

HIGHTEC HYPOID EP SAE 85W-90 LS is a high-performance gearbox oil of SAE grade 85W-90 produced using selected base oils with LS (Limited Slip) and exceptional wear protection properties. HIGHTEC HYPOID EP SAE 85W-90 LS certainly meets the requirements in terms of the minimum phosphor content of 1900 ppm due to the additive composition used.

### Application

HIGHTEC HYPOID EP SAE 85W-90 LS is used for axle gears in heavy-goods vehicles and buses as well as construction and agricultural machinery with or without multi-disc differentials in accordance with the manufacturer's specifications. Here it ensures the highest level of wear protection and the locking differential's safe operation.

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

- API GL-5/GL-5 LS (Limited Slip)
- MIL-L 2105D
- ZF TE-ML 05C, 08, 12C, 16E, 21C

### Advantages

- Excellent wear protection
- Very good load carrying capacity under heavy continuous loads
- Extremely stable to shear stress - 'Stay-in-grade'
- Stable lubricating film, even with very hot oil and under very high loads, and safe wear protection
- No rattling and squeaking noises
- It meets the requirements concerning the minimum phosphor content of 1900 ppm
- Good noise reduction
- Outstanding corrosion protection
- Good seal compatibility
- Low tendency to foam, even at high speeds
- Miscible and compatible with other gearbox oils. However, in order to exploit the full product benefits of HIGHTEC HYPOID EP SAE 85W-90 LS, a complete oil change is recommended.



## Typical characteristics

| Property                   | Method                      | Unit               | Value |
|----------------------------|-----------------------------|--------------------|-------|
| Density at 15 °C           | ASTM D-7042                 | g/ml               | 0.903 |
| Kinematic viscosity KV 100 | ASTM D-7042                 | mm <sup>2</sup> /s | 15,5  |
| Kinematic viscosity KV 40  | ASTM D-7042                 | mm <sup>2</sup> /s | 159   |
| Viscosity index            | ASTM D2270                  | -                  | 98    |
| Flash point                | ASTM D-92 / DIN EN ISO 2592 | °C                 | 210   |
| Pour point                 | ASTM D-97 / DIN EN ISO 3016 | °C                 | -21   |

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)).

