

## HIGHTEC ZH-M

High-performance, special hydraulic fluid based on mineral base oils with first-rate low-temperature performance.

### Description

HIGHTEC ZH-M is a high-performance, special hydraulic oil with optimised low-temperature performance. It is based on advanced additives and selected mineral base oils. Developed specifically for use in central hydraulic systems.

### Application

HIGHTEC ZH-M has been developed specifically for use in central hydraulic systems, power steering systems, sun roof mechanisms, hydro-pneumatic suspension systems and shock absorbers. Its first-rate viscosity-temperature behaviour guarantees safe operation at high steady-state temperatures, as well as a sensitive response at very low temperatures.

### The quality of this product is equivalent to EU regulations

- DIN 51524 Teil 3
- ISO 7308

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

- MB 343.0

### Benefits

- Outstanding viscosity-temperature behaviour and high shear stability
- Sensitive response characteristics, even at extremely low temperatures
- Good ageing and oxidation stability due to special mineral base oils
- Good wear protection properties for reliable operation, even at high steady-state temperatures and under excessive loads
- Minimal tendency to foam
- Reliable protection against corrosion, wear, sludge accumulation and adhesion
- Neutral behaviour towards gasket materials
- Miscible and compatible with other central hydraulic fluids of the same specification. However, in order to exploit the full product benefits of HIGHTEC ZH-M, a complete oil change is strongly recommended.

### Notices

HIGHTEC ZH-M may not be mixed with glycol or silicone-based fluids (e.g. brake fluids DOT 3/4/5.1 or DOT 5).

### Typical characteristics

| Property                   | Method                      | Unit               | Value |
|----------------------------|-----------------------------|--------------------|-------|
| Density at 15 °C           | ASTM D-7042                 | g/ml               | 0.87  |
| Kinematic viscosity KV 40  | ASTM D-7042                 | mm <sup>2</sup> /s | 21,0  |
| Kinematic viscosity KV 100 | ASTM D-7042                 | mm <sup>2</sup> /s | 6,2   |
| Viscosity index            | ASTM D-7042                 | -                  | 280   |
| Flash point                | ASTM D-92 / DIN EN ISO 2592 | °C                 | 130   |
| Pour point                 | ASTM D-97 / DIN EN ISO 3016 | °C                 | -51   |

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

