

HIGHTEC ZH-M SYNT

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

Description

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

Application

HIGHTEC ZH-M SYNT has been developed specifically for use in central hydraulic systems subjected to high loads, power steering systems, sun roof mechanisms 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

- BMW
- Chrysler/Dodge/Jeep MS-11655
- MAN M 3289
- MB 345.0
- Ford WSS-M2C204-A/A2
- Hyundai/Kia PSF-4
- Opel 19 40 715/766
- Porsche 000.043.203.33/000.043.206.56
- Volvo 1161529/30741424
- VW TL 52 146 (G002 000/G004 000)
- ZF TE-ML 02K

Benefits

- Outstanding viscosity-temperature behaviour and high shear stability
- Sensitive response characteristics, even at extremely low temperatures
- The highest ageing and oxidation stability due to special synthetic base oils
- The best wear protection properties for reliable operation and the longest service life, 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 SYNT, a complete oil change is strongly recommended.

Notices

HIGHTEC ZH-M SYNT 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 | 0,828 |
| Color | visuell | - | grün / green |
| Kinematic viscosity KV 40 | ASTM D-7042 | mm ² /s | 21,6 |
| Kinematic viscosity KV 100 | ASTM D-7042 | mm ² /s | 6,7 |
| Viscosity index | ASTM D-7042 | - | 305 |
| Flash point | ASTM D-92 / DIN EN ISO 2592 | °C | 162 |
| Pour point | ASTM D-97 / DIN EN ISO 3016 | °C | -50 |

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