

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	mm²/s	21,0
Kinematic viscosity KV 100	ASTM D-7042	mm²/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

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