

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.

Specifications

- DIN 51524 Teil 3
- ISO 7308

ROWE recommendations

- BMW
- Chrysler/Dodge/Jeep MS-11655
- DTFR 31B120 (ex. MB 345.0)
- MAN M 3289
- 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

Advantages

- 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.

Notes

- 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	0.826
Kinematic viscosity KV 100	ASTM D-7042	mm ² /s	6,7
Kinematic viscosity KV 40	ASTM D-7042	mm ² /s	21,6
Viscosity index	ASTM D2270	-	305
Flash point	ASTM D-92 / DIN EN ISO 2592	°C	162
Pour point	ASTM D-97 / DIN EN ISO 3016	°C	-50
Color		visual	grün / green

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).

