



TECHNICAL DATA SHEET

Divinol HLP ISO 46 MWB ZF

High pressure hydraulic oil, mineral based according to the requirements of DIN 51 524 part 2, HLP - viscosity: 46 mm²/s/40°C

PRODUCT DESCRIPTION

- + high pressure hydraulic oil
- + with anti-oxidation and anti-corrosion agents
- + with wear and friction reducing additives
- + with high aging resistance and excellent lubricating effect
- + zinc-free

CHARACTERISTICS

Colour / Appearance	light-brown, clear
Density/15°C / DIN EN ISO 12185	880 kg/m ³
Viscosity/40°C / ASTM D 7042	46 mm ² /s
Viscosity/100°C / ASTM D 7042	6.7 mm ² /s
Viscosity index / ASTM D 2270	97
Flash point (Cleveland) / DIN ISO 2592	>= 200 °C
Pour point / DIN ISO 3016	<= -21 °C
Corrosion protection towards steel / DIN ISO 7120	passed
Corrosion effect on copper 3h/100°C / DIN EN ISO 2160	1b

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Loading capacity according to Brugger / DIN 51 347	35 N/mm ²
FZG test A/8.3/90 / DIN 51 354/2	Damage loading step 12
Air release characteristics at 50°C / DIN ISO 9120	3 min

SPECIFICATION

Divinol HLP ISO 46 MWB ZF fulfils the requirements for hydraulic oils according to DIN 51524-2 (HLP).

Divinol HLP ISO 46 MWB ZF has the approval from Müller-Weingarten for hydraulic oils.

APPLICATION

Divinol HLP ISO 46 MWB ZF is used for all hydraulic aggregates, for which the usage of zinc-free, HLP alloyed oils is prescribed.

Benefit from our service, we will gladly advise you and develop individual application recommendations for your process. Please also note the material safety data sheet.

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