



## Hydraulic OIL ZF HVLPD 22

Product Code: 77180

Mineral Hydraulic Fluid with additional Stick Slip

**Hydraulic Oil ZF HVLPD 22** is a superior quality lubricant specially developed to meet the requirements of premium hydraulic fluids, slideway oils and industrial gear lubricants.

**Hydraulic Oil ZF HVLPD 22** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Low frictional properties reduce chatter and stick-slip of slides and ways.
- Improved surface finish and dimensional accuracy of workpieces.
- Excellent demulsibility provides ready separation from soluble cutting fluids
- Good filterability provides easy circulation through filters and reduces stick-slip, chatter and wear.
- Excellent anti-wear performance provides high levels of protection for gears, bearings and slides.
- Effective rust and corrosion inhibitors provide enhanced protection of machine tool slides even in presence of aqueous cutting fluids.
- Good thermal and oxidative stability.

**Hydraulic Oil ZF HVLPD 22** exceeds the following performance criteria:

DIN 51524 Part II

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J 300	22
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	854.4
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	21.3
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	5.2
Viscosity Index		ASTM D2270	187
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-54
CM Stick Slip Frictional Test		CM	<0.8
Copper Corrosion 3 hrs @100°C, max		ASTM D130	1b

Date Issued: 3-1-2025	Supersedes: 17-03-2021	Revision Nr.: 03
-----------------------	------------------------	------------------