



## Hydraulic Oil HV ZF 22

Product Code: 78920

HVI Zinc Free mineral hydraulic fluid

**Hydraulic Oil HV ZF 22** is an universal Zinc free mineral oil with a High Viscosity Index (HVI) for the use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

**Hydraulic Oil HV ZF 22** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.
- Avoid reactions with metals like Silver.

**Hydraulic Oil HV ZF 22** meets the following performance criteria:

DIN 51524/3 HVLP      GM LS-2      ISO 11158 HV      Eaton Vickers M-2950-S  
 Eaton Vickers I-286-S      Denison HF-0      Bosch Rexroth RE 90 220

### Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	22
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	842
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	20
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	5.4
Viscosity Index		ASTM D2270	194
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-48
FZG Fail Load Stage		DIN 51534-2	11
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

Date Issued: 15-1-2025	Supersedes: 23-03-2021	Revision Nr.: 02
------------------------	------------------------	------------------