



## Hydraulic Oil HV ZF 68

HVI Zinc Free mineral hydraulic fluid

Product Code: 76640

**Hydraulic Oil HV ZF 68** is an universal HVI Zinc Free mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication. Not suitable for turbine application.

**Hydraulic Oil HV ZF 68** 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 68** exceeds the following performance criteria:

AFNOR NFE 48-603	ISO 11158 HV	DIN 51524/3 HVLP	Denison HF-0
Cincinnati P-69	Sauer Danfoss 520L0683	Eaton Vickers M-2950-S/I-386	

### Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	68
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	880.8
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	70.2
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	11.7
Viscosity Index		ASTM D2270	162
Flash Point COC	°C	ASTM D92	225
Pour Point	°C	ASTM D7346	-36
FZG Fail Load Stage		DIN 51534-2	11
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

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