



Hydraulic Oil HV ZF 68

Product Code: 76640

HVI Zinc Free mineral hydraulic fluid

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 ³	ASTM D4052	877
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	70
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	11.4
Viscosity Index		ASTM D2270	154
Flash Point COC	°C	ASTM D92	225
Pour Point	°C	ASTM D7346	-39
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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