



# HYDRAULIC OIL

## HV ZF 32

### Product Description:

**HYDRAULIC OIL HV ZF 32** 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 32** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Good 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.

**HYDRAULIC OIL HV ZF 32** exceeds the following performance criteria.:

**DIN 51524-3 HVLP**      **ISO 11158 HV**      **ASTM D6158 HV**  
**AFNOR NF E 48-603 HV**    **Cincinnati P-68**      **Sauer Danfoss 520L0463**  
**Denison HF-0/HF-1/HF-2**    **Bosch Rexroth RE 90 220**    **Eaton Vickers M-2950-S / I-286**  
**General Motors LS-2**



Property	Unit	Test Method	Typical Value
ISO Grade		ISO 3448	32
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	862.4
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	31.9
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	6.6
Viscosity Index		ASTM D2270	171
Flash Point COC	°C	ASTM D92	>190
Pour Point	°C	ASTM D7346	-42
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

**Product Nr:** 43750

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