



Hydraulic Oil HM ZF 68

Product Code: 78870

Mineral Zinc Free Hydraulic fluid

Hydraulic Oil HM ZF 68 is a high performance zinc-free ashless anti-wear hydraulic oil developed to provide excellent performance in hydraulic systems, power transmission and general machine lubrication operating under moderate to severe conditions.

Hydraulic Oil HM ZF 68 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative stability.
- Exceptional anti-wear property results in longer pump and component life.
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Advanced ashless additive technology reduces environmental impact in case of accidental spillage
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Rapid air release property minimizes chances of pump cavitations leading to trouble free operations
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.
- Designed for older hydraulic pumps containing silver or silver-plated parts.

Hydraulic Oil HM ZF 68 exceeds the following performance criteria:

DIN 51524 Part 2 HLP
Vickers M-2950-S

AFNOR NFE 48-603 HM
Vickers I-286-S

Cincinnati P-69
Denison HF-2

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Class			68
Density @15°C	kg/m ³	ASTM D4052	880.0
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	68.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	8.8
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7436	-21
FZG A/8,3 90°C	min	DIN 51354-2	12
Air Release Value @50°C	Minutes	ASTM D3427	Pass
Demulsibility @54°C	Minutes	ASTM D1401	Pass

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