

HYDRA POWER ZF PLUS 46

Zinc Free Hydraulic Oil

HYDRA POWER ZF PLUS 46 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.

HYDRA POWER ZF PLUS 46 is formulated with high quality virgin mineral base stocks in combination with a special additive technology to achieve the following performance:

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear property which results in fewer breakdowns.
- Advanced ashless additive technology reduces environmental.
- Excellent demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Special rust & corrosion inhibitors protect multi-metallurgy components against negative effects of moisture presence in the system.
- Rapid air release property due to non-silicone anti-foam technology to minimizes chances of pump cavitations leading to trouble free operations.
- Offers long term hydrolytic stability and yellow metal compatibility in presence of water.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.
- Designed for older hydraulic pumps containing silver or silver-plated parts.

HYDRA POWER ZF PLUS 46 meets the following performance criteria:

DIN 51524/3 HVLP
Eaton Vickers I-286-S

GM LS-2
Denison HF-0

ISO 11158 HV
Cincinnati P-70

Eaton Vickers M-2950-S
Bosch Rexroth RE 90 220

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15 °C	kg/m3	ASTM D4052	878.2
Kin. Viscosity @40 °C	mm2/s	ASTM D7042	47.2
Kin. Viscosity @100 °C	mm2/s	ASTM D7042	8.4
Viscosity Index		ASTM D2270	157
Flash Point COC, min	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
FZG A/8,3 90°C, min		DIN 51354-2	11
Demulsibility @54 °C	Minutes	DIN 51599	10
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