

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 results in fewer breakdowns, longer pump
- 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 exceeds the following performance criteria:

DIN 51524/3 HVL P I-286-S AFNOR NFE 48-603 ISO 11158 HV Vickers M-2950-S
Denison HF-1 Cincinnati P-70

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	46
Density @15°C	kg/m ³	ASTM D4052	870
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	45
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	6.9
Viscosity Index		ASTM D2270	107
Flash Point COC, min	°C	ASTM D92	>201
Pour Point	°C	ASTM D97	-21
FZG A/8,3 90°C		DIN 51354-2	12
Demulsibility @54°C	Minutes	DIN 51599	30
Date Issued: 17-10-2016		Supersedes:	Revision Nr.: -

