

# HYDRAULIC ZF 46

## Premium Zinc Free, Inherently Biodegradable Hydraulic Fluid



### Features & Benefits

- Zinc free
- Inherently biodegradable
- Excellent oxidation stability
- Good sludge and particulate control
- Exceptional wear protection
- Excellent separation from water

### Specifications

Meets Requirements Of:
ISO 11158-HM
ASTM D6158-HM
SAE MS 1004-HM
DIN 51524-2
Parker HF-0, HF-1, HF-2

### Typical Results

Test Method	ZF 46
ISO GRADE	46
DENSITY @ 15°C (ASTM D4052) (kg/L)	0.8568
VISCOSITY (D445) cSt @ 40 °C cSt @ 100 °C	45.6 7.2
VISCOSITY INDEX (D2270)	118
POUR POINT (°C) (D97)	-30
FLASH POINT (°C) (D93)	216
OECD 301B	Inherently biodegradable

**HYDRAULIC ZF 46** is a premium high-performance zinc free, inherently biodegradable hydraulic fluid, developed to perform in extreme conditions and environmentally sensitive areas. The Hydraulic ZF 46 additive system means superior oxidation and stability while providing protection from wear, rust and corrosion. The result is a silicone free, low foaming product.

**HYDRAULIC ZF 46** is formulated to provide superior performance over traditional hydraulic additive packages in severe duty and high-load applications. It is developed to increase the life of the fluid while reducing environmental impact.

**HYDRAULIC ZF 46** can extend oil drain intervals, which can reduce costs. It can potentially improve efficiency during the length of the oil drain due to the reduction in deposits.

**HYDRAULIC ZF 46** is formulated to have good sludge and particulate control for improving protection of critical components having strict tolerances like servo-valves and pumps.

**HYDRAULIC ZF 46** is formulated with anti-wear additives to maximize equipment life and reduce maintenance costs.

**HYDRAULIC ZF 46** has excellent water separation properties allowing the water to separate from the fluid while maintaining it during service.

### Sizes & Order Codes

ZF 46
18.9 L/ 5US Gal F0100340
1000L/264 US Gal F0100360
BULK B0100301

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