

HYDRA POWER ZF 46

Zinc Free Hydraulic Oil

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

- 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 due to non-silicone anti-foam technology to 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.

HYDRA POWER ZF 46 meets the following performance criteria:

DIN 51524/2 HLP
I-286-S

AFNOR NFE 48-603
Denison HF-1

ISO 11158 HMVickers M-2950
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 D7346 | -21 |
| FZG A/8,3 90°C | | DIN 51354-2 | 12 |
| Demulsibility @54°C | Minutes | DIN 51599 | 30 |
| Date Issued: 14-6-2021 | | Supersedes: 17-10-2016 | Revision Nr.: 01 |

