

HYDRA ZF

ZINC FREE HYDRAULIC OIL

Description

Hydraulic oil AW ZF is a high performance ashless zinc-free anti-wear (AW) hydraulic fluid elaborated to meet the high performance needs of hydraulic systems, power transmission but also general lubrication operating under moderate to severe conditions. These fluids are based on high quality virgin mineral base oils in combination with a performance additive package to ensure an excellent thermo-oxidative stability, a superb anti-wear protection to provide longer pump and component life and a superior demulsibility to get a fast separation between water and oil.

Benefits

- Compatible with diverse metals, including silver and silver-plating from older hydraulic pumps.
- Advanced ashless technology to reduce potential environmental impact in case of spilling
- Dedicated rust and corrosion inhibitors to protect all the metal components even in presence of water.
- Fast air release properties to minimize the risks of pump cavitation
- Compatible with most sealing materials used in hydraulic systems



Performance levels

- DIN 51524/2 (HLP)
- ISO 11158 HM
- AFNOR NFE 48-603 HM
- Eaton (VICKERS) M-2950-S
- Denison HF-0, HF-1, and HF-2 (for ISO 32, 46, and 68 respectively)
- Cincinnati Machine P-68, P-69, and P-70 (for ISO 32, 46, and 68 respectively)

Typical Properties

| ISO VG | | 10 | 22 | 32 | 46 | 68 |
|-----------------------|-------|-----------|-----------|-----------|-----------|-----------|
| Code | | LUB006024 | LUB006025 | LUB006026 | LUB006027 | LUB006028 |
| Density 15 °C | kg/m3 | 850 | 864 | 870 | 874 | 881 |
| Viscosity 40 °C | cSt | 10 | 22 | 32 | 46 | 68 |
| Viscosity 100 °C | cSt | 2.7 | 4.3 | 5.3 | 6.7 | 8.6 |
| Viscosity Index | | 98 | 98 | 98 | 98 | 98 |
| Pour Point | °C | -24 | -24 | -24 | -24 | -24 |
| Flash Point C.O.C | °C | 160 | 190 | 220 | 225 | 230 |
| Operating temperature | °C | -20/150 | -20/150 | -20/150 | -20/150 | -20/150 |