

UNITED MV ZINC FREE HYDRAULIC LS OIL ISO 46



United MV Zinc Free Hydraulic LS ISO 46 is an exceptional multi-grade, anti-wear, high-viscosity-index hydraulic oil. This oil is formulated specifically for use in equipment that is operating over a wide range of temperatures and where oil with dielectric properties is required. It is recommended for use in Hitachi, John Deere, and other off-road equipment. These oils have a balanced additive combination of pour point depressants and shear-stable viscosity index improvers, which makes them suitable for operating in outdoor mobile equipment under cold startup operating conditions. In addition to its excellent low-temperature characteristics, United MV Zinc Free Hydraulic LS ISO 46 will also maintain sufficient body film strength to lubricate at the warmer operating temperatures found in many operations.

Applications:

- Hitachi excavators with 4,000-hour service intervals.
- High viscosity index meets the all-season requirements of most major manufacturers and users of hydraulic systems.
- Both high- and low-pressure hydraulic systems for industrial and mobile applications.
- A broad range of industrial applications, machine tools, presses, injection molding machines, central systems, gear cases, and various bearing applications.
- Mobile loading and continuous mining equipment where high speeds, loads, and temperatures are encountered.
- Reduction gears and bearings with greater load-carrying requirements than are satisfied by conventional R&O fluids

United MV Zinc Free Hydraulic LS ISO 46 is not compatible with zinc-containing anti-wear hydraulic oils. Topping off with these fluids may cause gelling, residue, or filter plugging.

TYPICAL SPECIFICATION DATA

UNITED MV ZINC FREE HYDRAULIC LS ISO 46	
ISO GRADE	46
Viscosity @ 100°C (cSt)	8.6
Viscosity @ 40°C (cSt)	46.6
Viscosity Index	165
Density (lb/gal)	7.15
Pour Point (°C)	-41
Pour Point (°F)	-33
Flash Point (°C)	222
Flash Point (°F)	460
ASTM Rust Test	Pass
Turbine Oil Stability Test, hrs.	5000+
Emulsion Test, 30 min. @ 130°F	Pass
Sulfated Ash, wt%	0.1

Meets or Exceeds:

- B.F. Goodrich 0152
- Cincinnati Machine P-70
- Commercial Hydraulics
- Denison HF-0, HF-1, HF-2
- DIN 51524 Part 2
- Ford M-6C32
- General Motors LH-04-1, LH-06-1, LH-15-1
- Jeffrey No. 87
- Lee-Norse 100-1
- US Steel 136,127
- Vickers M-2950-S (Mobile), I-286-S (Industrial)

Product Availability:

- 5 Gal
- 55 Gal
- Item # 343433
- Item # 343434