

# FS MV HD Hydraulic 46 (Low Shear)

## Description

FS MV HD Hydraulic 46 (Low Shear) oil is an exceptional multi-grade, anti-wear hydraulic oil where maximum pump protection and/or longer fluid life is desired. This oil is formulated with group II base stock and a more shear-stable viscosity index improver, made specifically for use in equipment that is operating over a wide range of temperatures and where an oil with dielectric properties is required. These oils have a balanced additive combination of pour point depressants and extreme shear-stable viscosity index improvers that makes them suitable for operating in outdoor mobile equipment under cold startup or extreme operating conditions. In addition to its excellent low-temperature characteristics, FS MV HD Hydraulic 46 (Low Shear) oil will also maintain sufficient body film strength to lubricate at the warmer operating temperatures found in many operations. Its high viscosity index meets the all-season requirements of most major manufacturers and users of hydraulic systems.

## Recommended Use:

- 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 or AW fluids

## Meets or Exceeds:

- Vickers M-2950-S (Mobile), I-286-S (Industrial)
- Denison HF-0, HF-1, HF-2
- Cincinnati Machine P-68 (ISO 32), P-70 (ISO 46), P-69 (ISO 68)
- Racine Variable volume vane pumps
- DIN 51524 Part 2
- Jeffrey No. 87
- US Steel 136, 127
- General Motors LH-04-1, LH-06-1, LH-15-1
- AFNOR E 48-603
- Lee-Norse 100-1
- Ford M-6C32
- B.F. Goodrich 0152
- Commercial Hydraulics

## Product Availability

### FS Hydraulic MV ISO 46 Low Shear

5 Gal. Pail	Item #255521
55-gal. Drum	Item #255520
265-gal. Totes	Item #255519
Bulk	Item #255518



## Typical Properties

Test / Description	Specification
ISO Grade	<b>46</b>
Viscosity @ 100°C (cSt)	7.9
Viscosity @ 40°C (cSt)	46.0
Viscosity Index	143
Density (lb/gal)	7.25
Pour Point (°C)	-36
Pour Point (°F)	-33
Flash Point (°C)	215
Flash Point (°F)	419
Copper Corrosion	1A
Rust Test	Pass
Turbine Oil Stability Test (hrs)	5,000+

FS MV HD Hydraulic 46 (Low Shear)	20-hr. KRL	40-hr. KRL
Initial Viscosity @ 100°C	8.13	8.13
Final Viscosity, @ 100°C	7.15	6.91
Viscosity change @ 20 hrs. %	12.1	
Viscosity change @ 40 hrs. %		15.0