

# FS HD Hydraulic ISO 32, 46, & 68

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## Features

- **Applications where maximum pump protection and/or longer fluid life is desired.**
- 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.**

## Meets or Exceeds:

- Vickers M-2950-S (Mobile), I-286-S (Industrial)
- Denison HF-0, HF-1, HF-2
- Cincinnati Machine P-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 HD Hydraulic ISO 32

2 x 2.5 Gal.	Item #70683
55-gal. Drum	Item #70591
265-gal. Totes	Item #74392
Bulk	Item #71036

### FS HD Hydraulic ISO 48

2 x 2.5 Gal.	Item #71056
6 x 1 gal.	Item #177016-W
55-gal. Drum	Item #71096
265-gal. Totes	Item #74241
Bulk	Item #71038

### FS HD Hydraulic ISO 68

2 x 2.5 Gal.	Item #166955
5 Gal. Pail	Item #158597
55-gal. Drum	Item #158598
265-gal. Totes	Item #158599
Bulk	Item #153570

## Typical Properties

Test / Description	Specification		
<b>ISO Grade</b>	<b>32</b>	<b>46</b>	<b>68</b>
<b>Viscosity @ 100°C (cSt)</b>	53.4	6.9	8.9
<b>Viscosity @ 40°C (cSt)</b>	32.0	46.0	68.0
<b>Viscosity Index</b>	102	105	104
<b>Density (lb/gal)</b>	7.17	7.26	7.27
<b>Pour Point (°C)</b>	-30	-27	-24
<b>Pour Point (°F)</b>	-22	-17	-11
<b>Flash Point (°C)</b>	210	210	220
<b>Pour Point (°F)</b>	410	410	428
<b>Rust Test</b>	Pass	Pass	Pass
<b>Turbine Oil Stability Test (hrs)</b>	6,000+	6,000+	6,000+