

# FS Industrial Hydraulic Oil

## ISO 32, 46, 68, 100, & 150

### 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 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-69 (ISO 68), P-70 (ISO 46)
- Racine Variable volume vane pumps
- Bosch Rexroth RDE 90220
- DIN 51524 Part 2 (ISO 32, 46, 68)
- 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 INDUSTRIAL HYDRAULIC OIL 32			
Package Size	Item Number	Package Size	Item Number
5 Gal. Pail	158956	265-gal. Totes	70513
55-gal. Drum	70695	Bulk	070607

FS INDUSTRIAL HYDRAULIC OIL 46			
Package Size	Item Number	Package Size	Item Number
5 Gal. Pail	165881	265-gal. Totes	70599
55-gal. Drum	70697	Bulk	70608

FS INDUSTRIAL HYDRAULIC OIL 68			
Package Size	Item Number	Package Size	Item Number
5 Gal. Pail	165883	265-gal. Totes	73455
55-gal. Drum	73325	Bulk	153569

FS INDUSTRIAL HYDRAULIC OIL 100			
Package Size	Item Number	Package Size	Item Number
5 Gal. Pail	139673	265-gal. Totes	155193
55-gal. Drum	139674	Bulk	158270

FS INDUSTRIAL HYDRAULIC OIL 150			
Package Size	Item Number	Package Size	Item Number
5 Gal. Pail	201325	Bulk	167521
55-gal. Drum	167520		



## Typical Properties:

Test / Description	Specification				
<b>ISO Grade</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>
<b>Viscosity @ 100°C (cSt)</b>	5.4	6.8	8.8	11.1	14.6
<b>Viscosity @ 40°C (cSt)</b>	32.3	46	68.1	100	150
<b>Viscosity Index</b>	100	101	101	96	96
<b>Density (lb/gal)</b>	7.11	7.16	7.25	7.34	7.39
<b>Pour Point (°C)</b>	-33	-30	-24	-21	-21
<b>Pour Point (°F)</b>	-27	-22	-11	-6	-6
<b>Flash Point (°C)</b>	215	210	210	225	220
<b>Flash Point (°F)</b>	419	410	410	437	428
<b>Copper Corrosion</b>	1A	1A	1A	1A	1A
<b>Rust Test</b>	Pass	Pass	Pass	Pass	Pass
<b>Turbine Oil Stability (hrs)</b>	4,000+	4,000+	4,000+	4,000+	4,000+