

Industrial Hydraulic Oil features high-performing base oil combined with an advanced low-zinc, universal anti-wear hydraulic oil additive. It provides premium anti-wear performance, rust, and oxidation protection, and offers excellent demulsibility capabilities, good filterability, and foam-resistance properties.

United Industrial Hydraulic Oil is recommended for service in a wide range of hydraulic systems. It meets the industry's demand for a universal-type hydraulic media suitable for use in systems having vane or axial piston pumps. Low ash and low zinc levels permit its use in automated machine tools and mobile and stationary applications that have stringent filterability requirements.

Features:

- Maximum efficiency of hydraulic systems
- Inhibits wear, rust, corrosion, sludge, and foaming tendencies
- Resistant to oxidation
- Excellent water separation

Applications:

- 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, heavy loads, and high temperatures are encountered
- Reduction gears and bearings with greater load-carrying requirements than are satisfied by conventional R&O fluids

Meets or Exceeds:

- AFNOR E 48-603
- B.F. Goodrich 0152
- Cincinnati Machine P-68 (ISO 32), P-70 (ISO 46), P-69 (ISO 68)
- Commercial Hydraulics
- Denison HF-0, HF-1, HF-2
- Bosch Rexroth RDE 90220
- DIN 51524 Part 2 (ISO 32, 46, 68)
- Ford M-6C32
- General Motors LH-04-1, LH-06-1, LH-15-1
- Jeffrey No. 87
- Lee-Norse 100-1
- Racine Variable Volume Vane Pumps
- US Steel 136, 127
- Vickers M-2950-S (Mobile), I-286-S (Industrial)



TYPICAL SPECIFICATION DATA

UNITED INDUSTRIAL HYDRAULIC OIL							
ISO GRADE	15	22	32	46	68	100	150
Viscosity @ 100°C (cSt)	3.5	4.5	5.4	6.8	8.8	11.1	14.6
Viscosity @ 40°C (cSt)	15.5	22.3	32.3	46	68.1	100	150
Viscosity Index	106	115	100	101	101	96	96
Density (lb/gal)	7.08	7.09	7.10	7.20	7.24	7.31	7.33
Pour Point (°C)	-45	-42	-36	-36	-30	-21	-21
Pour Point (°F)	-49	-44	-33	-33	-22	-6	-6
Flash Point (°C)	181	211	227	241	244	246	243
Flash Point (°F)	358	412	441	466	471	475	469
Turbine Oil Stability Test, hrs.	4,000+	4,000+	4,000+	4,000+	4,000+	4,000+	4,000+

Product Availability: United Industrial Hydraulic Oil ISO 15

- 2 x 2.5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 467330
- Item # 192393
- Item # 210876
- Item # 191383

Product Availability: United Industrial Hydraulic Oil ISO 22

- 2 x 2.5 Gal
- 30 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 193019
- Item # 191240
- Item # 191242
- Item # 210877
- Item # 192394

Product Availability: United Industrial Hydraulic Oil ISO 32

- 2 x 2.5 Gal
- 30 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 191244
- Item # 191245
- Item # 191247
- Item # 210878
- Item # 192395

Product Availability: United Industrial Hydraulic Oil ISO 46

- 2 x 2.5 Gal
- 30 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 191248
- Item # 191249
- Item # 191251
- Item # 210879
- Item # 192396

Product Availability: United Industrial Hydraulic Oil ISO 68

- 2 x 2.5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 191252
- Item # 191255
- Item # 210911
- Item # 192491

Product Availability: United Industrial Hydraulic Oil ISO 100

- 5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 191259
- Item # 192561
- Item # 210912
- Item # 191260

Product Availability: United Industrial Hydraulic Oil ISO 150

- 5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 191261
- Item # 191262
- Item # 210913
- Item # 191263