

United Synthetic Hydraulic Oils are formulated for use in severe-service, low- and high-pressure, mobile or stationary hydraulic systems. These full synthetic hydraulic oils feature outstanding thermal stability and cold-flow properties. United Synthetic Hydraulic Oils resist the formation of varnish that contributes to valve sticking and improves hydraulic efficiency in cold temperatures.

Features:

- Zinc-based anti-wear additive system to protect pumps against wear.
- Readily separates from water.
- Designed to minimize seal and hose leaks.
- Excellent filterability.
- Extraordinary cold-flow properties ensure reliable startup performance and lubrication.

TYPICAL SPECIFICATION DATA

UNITED SYNTHETIC HYDRAULIC OIL			
ISO GRADE	22	32	46
Viscosity @ 100°C (cSt)	5.9	7.2	9.6
Viscosity @ 40°C (cSt)	21.2	31.7	48.0
Viscosity Index	254	204	190
Density (lb/gal)	6.96	7.00	7.06
Pour Point (°C)	-60	-51	-46
Pour Point (°F)	-76	-60	-51
Flash Point (°C)	174	224	228
Flash Point (°F)	345	435	442
Copper Corrosion	1A	1A	1A
Dielectric Strength (kV)	43.6	46.2	45.4

Meets or Exceeds:

- Denison HF-0, HF-1, and HF-2 (ISO 32 & ISO 46)
- Eaton/Vickers M-2950-S and I-286-S (ISO 32 & ISO 46)
- DIN 51524, Part 2 & 3 (ISO 32 & ISO 46)

Product Availability: United Synthetic Hydraulic Oil ISO 22

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic Hydraulic Oil ISO 32

- 5 Gal*
- 55 Gal*
- 275 Gal*

Product Availability: United Synthetic Hydraulic Oil ISO 46

- 5 Gal*
- 55 Gal*
- 275 Gal*

**Contact your local United Account Manager for product availability.*