

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/Benefits:

- Features a 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 start-up performance and lubrication

Meets or Exceeds:

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

TYPICAL SPECIFICATIONS

ISO VG	22	32	46
Viscosity @ 100°C (cSt), ASTM D445	5.9	7.2	9.6
Viscosity @ 40°C (cSt), ASTM D445	21.2	31.7	48.0
Viscosity Index, ASTM D2270	254	204	190
Density (lb/gal), ASTM D1298	6.964	7.001	7.063
Pour Point (°C), ASTM D97	-60	-51	-46
Pour Point (°F), ASTM D97	-76	-60	-51
Flash Point (°C), ASTM D92	174	224	228
Flash Point (°F), ASTM D92	345	435	442
Copper Corrosion 100°C, 3 hr., ASTM D130	1A	1A	1A
Dielectric Strength >35kv, ASTM D877	43.6	46.2	45.4

Product Availability:

- 5 Gallon Pail
- 55 Gallon Drum
- 275 Gallon Tote