

UNITED SYNTHETIC BIODEGRADABLE HYDRAULIC OIL ISO 46



United Synthetic Biodegradable Hydraulic Oil ISO 46 is a readily biodegradable hydraulic oil formulated with synthetic esters to provide excellent protection against corrosion, wear and foam. It is engineered for use in mobile and stationary applications where high biodegradability is required.

Features/Benefits:

- Readily biodegradable, ashless, non-zinc formulation
- Protects against corrosion and rust
- Excellent foam control reduces sponginess
- Protects against pump and motor wear
- Compatible with common seal materials to reduce leaks

Meets or Exceeds:

- VDMA 24568 HEES
- Bosch Rexroth RD90221-1
- Readily Biodegradable OECD 301 B
- Vessel General Permit
- ISO 15380

TYPICAL SPECIFICATIONS

ISO VG	46
Viscosity @ 100°C, cSt, ASTM D445	9.3
Viscosity @ 40°C, cSt ASTM D445	46.2
Viscosity Index, ASTM D2270	189
Specific Gravity (g/ml), ASTM D1298	0.9176
Flash Point, °C (°F) (COC) ASTM D92	>290 (>554)
Pour Point, °C (°F) ASTM D97	-48 (-54)
Four-Ball Wear Test mm scar, 75°C, 1200 rpm, 40 kg, 1 hr, ASTM D4172	0.37
Copper Corrosion, 100°C, 3 hour, ASTM D130	1A
Rust Procedure A (distilled water) ASTM D665A	Pass
Rust Procedure B (salt water) ASTM D665B	Pass

Product Availability:

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