



Renewable Lubricants, Inc.
476 Griggy Rd., P.O. Box 474
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Bio-SynXtra™ Hydrostatic Fluid (Low-Viscosity Universal Tractor Fluid)

Bio-SynXtra™ Hydrostatic Fluid is a readily biodegradable, low-viscosity, synthetic universal tractor fluid (UTF) designed for agricultural, industrial, and construction equipment operating in cold or variable temperatures. Formulated with Stabilized™ and advanced additive technology, this ultimately biodegradable, multi-grade fluid includes frictional modifiers for wet brake systems, along with detergent, dispersant, anti-wear, anti-rust, and anti-foam inhibitors. It provides superior cold-start performance and high oxidation resistance while complying with major OEM and environmental standards.

Benefits

- Readily biodegradable, environmentally non-toxic, not bioaccumulative
- Multi-grade, all-season fluid with excellent cold temperature performance
- Friction modifiers reduce wet brake noise (chatter/squawk)
- High viscosity index enhances shear stability and reduces deposits
- USDA Biobased and BioPreferred certified
- Exceeds LC-50 / EC-50 >1000 ppm toxicity requirements (EPA & USFWS)
- Fire-resistant with high flash/fire points for added safety
- Compatible with low-viscosity ISO-32 hydraulic applications
- Manufactured from renewable agricultural resources

Application / New Filling

- Designed for use in agricultural, industrial, and construction hydraulic systems requiring low-viscosity UTF
- Ideal for systems operating in cold climates requiring smooth start-up and reliable lubrication
- Recommended for use in:
 - Massey-Ferguson M-1110
 - Ford-New Holland M2C41-B
 - Case-IH MS 1210
 - Allison C-3
 - Caterpillar TO-2
 - ISO-32 Hydraulic: Vickers, Denison, Commercial Intertech, Rexroth, Sauer-Sundstrand
 - API GL-4 gear systems
 - For best performance and proper conversion, consult Renewable Lubricants, Inc.

Specifications and Approvals



- EPA VGP 2013 Compliant (EAL)
- ASTM D 5864 Ultimately Biodegradable
- OECD 301B Readily Biodegradable
- US EPA & USFWS Toxicity Compliance (LC-50 / EC-50 >1000 ppm)
- USDA BioPreferred Certified
- Stabilized™ additive technology (patented: US Patents 6,383,992 and 6,534,454)

Typical Specifications	
Kinematic Viscosity ASTM D-445	
@40°C	31.0 cSt
@100°C	7.3 cSt
Viscosity Index ASTM D-2270	213
Specific Gravity ASTM D-287	
@15.5°C	879
Pounds per Gallon	7.32
Cleveland Open Cup ASTM D-92	
Flash Point °F/°C	385/196
Fire Point °F/°C	415/215
Pour Point ASTM D-97	<-45°C
ASTM D-974 Total Acid Number	0.56
Brookfield Viscosity (cP) @-40°C	<20,000 cP
Dielectric Strength (ASTM D-877)	48 KV

Availability F.O.B.: Hartville, Ohio, USA	1 Gallon	5 Gallon	Drum	Totes	Bulk
RLI Product Item #	81303	81304	81306	81307	81309