



## Renewable Lubricants, Inc.

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### **Bio-SynXtra™ Hydrostatic Fluid** **(Low-Viscosity) Universal Tractor Fluid**

**STABILIZED™**  
by Renewable Lubricants

*"Biobased Lubricants that Perform Like Synthetics"*

Bio-SynXtra™ Hydrostatic Fluid is a universal tractor fluid that incorporates Stabilized\* additive technology with biodegradable vegetable based stocks. This formulation contains special frictional modifiers for the Wet Brake's equipment design, and is compounded with detergent, dispersant, anti-wear, anti-rust, and anti-foam inhibitors. This Bio-SynXtra™ Hydrostatic Fluid is an ultimately biodegradable<sup>1</sup>, multi-grade lubricant that can be used in agricultural, industrial and construction equipment where low viscosity and improved cold-temperature performance is required.

Meets or exceeds the requirements of Massey-Ferguson M-1110, Ford-New Holland M2C41-B, and Case-IH MS 1210. Approved or Recommended in Allison C-3 and Cat TO-2. Meets or exceeds ISO-32 Hydraulic for Vickers, Denison, Commercial Intertech, Rexroth, Sauer-Sundstrand, and API GL-4 gear requirements for low viscosity fluid applications.

**Kinematic Viscosity ASTM D-445**

@40°C = 31.0 cSt

@100°C = 7.3 cSt

**Pour Point ASTM D-97**

<-45°C

**Viscosity Index ASTM D-2270**

213

**ASTM D-974**

Total Acid Number = 0.56

**Specific Gravity ASTM D-287**

@15.5°C = .879

**Brookfield Viscosity (cP)**

@-40°C = <20,000 cP

**Pounds per Gallon**

7.32

**Dielectric Strength (ASTM D-877)**

48 KV

**Cleveland Open Cup ASTM D-92**

Flash Point °F/°C = 385/196

Fire Point °F/°C = 415/215

(Before use: Use oil viscosity based on the expected temperature range specified by OEM)

Bio-SynXtra™ Hydrostatic Fluid meets the Environmental Protection Agency (EPA) 2013 Vessel General Permit (VGP) guidelines for Environmentally Acceptable Lubricants (EALs), and should be used in hydraulic systems where **LOW TOXICITY, BIODEGRADABILITY** and **NON-BIOACCUMULATION** properties are required. This product exceeds the acute toxicity (LC-50 / EC-50 >1000 ppm) criteria adopted by the US Fish and Wildlife Service and the US EPA. Bio-SynXtra™ Hydrostatic Fluid is an **ENVIRONMENTALLY ACCEPTED LUBRICANT (EAL)** that is formulated from renewable, agricultural plant resources. We believe Earth's environmental future rests in the use of renewable materials.

**<sup>1</sup>Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants**

STABILIZED by Renewable Lubricants\* is RLI's trademark on their proprietary and patented anti-oxidant, anti-wear, and cold flow technology. High Oleic Base Stock (HOBS) are agricultural vegetable oils. This Stabilized technology allows the HOBS to perform as a high performance formula in high and low temperature applications, reducing oil thickening and deposits.

Patented Product: US Patent 6,383,992, US Patent 6,534,454 with additional Pending and Foreign Patents

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