

Bio-SynXtra Trans Hydraulic Fluid (All-Season UTF)

Bio-SynXtra™ Trans-Hydraulic is a synthetic, readily biodegradable universal tractor fluid (UTF) designed for agricultural, industrial, and construction equipment. Engineered with Stabilized™ additive technology, it provides advanced anti-wear, anti-rust, anti-foam, and detergent/dispersant performance. This all-weather, multi-grade fluid includes frictional modifiers tailored for wet brake systems and is formulated to deliver superior low-temperature fluidity and oxidation stability, while maintaining compliance with major OEM and environmental standards.

Benefits

- Readily biodegradable, environmentally non-toxic, not bioaccumulative
- Multi-grade, all-weather formula enhances cold temperature performance
- Friction modifiers reduce wet brake chatter and squawk
- Compatible with a wide range of OEM wet brake, transmission, and hydraulic specs
- Exceeds EPA VGP 2013 Environmentally Acceptable Lubricant criteria
- High viscosity index and low volatility increase equipment efficiency and safety
- Non-toxic, safe for operator exposure
- Enhanced oxidation resistance and sludge control
- BioPreferred certified

Application / New Filling

- Suitable for use in farm tractors, construction and industrial equipment, off-road vehicles, and multi-use hydraulic and transmission systems
- Tested and approved for performance under cold-start and high-load conditions
- Interchangeable with standard UTTO's
- Compatible with:
 - **John Deere** J20C, J20D
 - **CNH MAT** 3525
 - **Ford/New Holland** M2C134-D, M2C86-C/B, M2C41-B/A, M2C48-C/B
 - **Massey Ferguson** M1135, M1141, M1139, M1143, M1145
 - **Kubota** UDT, Super UDT
 - **Steiger** SEMS 1700A
 - **Versatile** 28M, 24M
 - **AGCO** Q-1826, Q-1705, Q-1766, Q-1802, **Deutz-Allis** 821XL

- Case IH JIC-145, MS-1204 through MS-1210
- **Allison C-3, C-4, Caterpillar TO-2, Fiat-Hesston AF-87, and others**

Specifications and Approvals

- Meets/exceeds:
 - API GL-4, Allison C-3/C-4, Caterpillar TO-2
 - FZG Stage 12
 - North America UTTO and MTO standards
 - Energy-conserving formulation per EPA and USDA criteria



Typical Specifications

S.A.E. Grade	5w30
Viscosity @ 100°C ASTM D-445	9.72
Viscosity @ 40°C ASTM D-445	46.38
Viscosity Index ASTM D-2270	202
Brookfield Viscosity ASTM D-2983	
@-20°C	1200 cP
@-35°C	10,500 cP
@-40°C per J20D	18,500 cP
Flash Point, °C (ASTM D-92)	252°C
Pour Point, °C (ASTM D-97)	-45°C
Rust Prevention A&B, (ASTM D-665)	Pass Clean
Acid Number, mg KOH/g (ASTM D-974)	0.56
Dielectric Strength (ASTM D-877)	48 KV
Four Ball Wear (ASTM D-4172)	
1 h, 65°C, 1500 rpm, 40 kg,	0.36
Biodegradability CEC-L33A93	>80%
OECD 301B	>60%
ASTM D-5864	>60%
Energy Conserving Formulation – USDA Biobased and BioPreferred	

Availability F.O.B.: Hartville, Ohio, USA	1 Gallon	5 Gallon	Drum	Totes	Bulk
RLI Product Item #	81223	81224	81226	81227	81229