

BioGreen UltraGard UTHF Full Synthetic Hydraulic Fluid

DESCRIPTION

BioGreen UltraGard Universal Heavy Duty Tractor Hydraulic and Transmission Fluid is formulated to increase lubricity, which increases system durability of equipment. Natural and safe to use, significantly reduces skin, eye, and inhalation hazards typically associated with petroleum based products. Our Universal Hydraulic Fluid is biodegradable, a non-petroleum based product, made from the edible, but typically wasted tallow of American-raised beef, thus reducing the dependency on foreign oil for any country. Our product does not compete with the food supply.

BioGreen UltraGard Universal Heavy Duty Tractor Hydraulic and Transmission Fluid is an all-weather Universal Tractor Transmission Oil (UTTO) that contains viscosity index improvers to improve operation at low temperatures while maintaining full viscosity at operating temperatures. This product is blended to meet all major OEM performance requirements and uses OEM approved additive technology.

BioGreen UltraGard Universal Heavy Duty Tractor Hydraulic and Transmission Fluid is engineered using premium synthetic base oils specially selected for their resistance to oxidation, clarity and thermal stability. OEM approved drive-train additives are then added to enhance performance and provide extreme pressure (EP) protection for highly loaded gears and proper frictional characteristics needed for wet-clutches and brakes. Eliminates chatter common with many fluids. Separates water easily to prevent rust and corrosion inside transmission.

BioGreen UltraGard Synthetic All Season Tractor Hydraulic and Transmission Fluid is a designed to meet the heavy demands of farm tractors, construction equipment and logging equipment where a single fluid services the transmission, wet clutch, wet brake, power steering and final drives for two wheel and four wheel drive equipment.



- BENEFITS**
- ✓ Biodegradable;
 - ✓ Provides lubrication to the seals to prevent leaks, helps soften hardened seals;
 - ✓ High flash point, 413F;
 - ✓ Multi-viscosity formula for year round use;
 - ✓ Zero foam;
 - ✓ Inhibits rust, corrosion and aids in water tolerance;
 - ✓ Extends oil life due to heat reduction;
 - ✓ Mixes well with all OEM fluids;
 - ✓ Compatible with petroleum oils – no flushing necessary;
 - ✓ Readily recyclable;
 - ✓ Superior performance while protecting wildlife, vegetation and the environment;
 - ✓ Anti-wear and anti-oxidant characteristic base stock aids outstanding thermal and oxidative stability;
 - ✓ Protects gears with EP additives;
 - ✓ Proper frictional control for wet brakes and clutches;
 - ✓ OEM approved additive system.
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- APPLICATION**
- ✓ Farm tractors
 - ✓ Construction equipment such as dozers, front end loaders, excavators
 - ✓ Logging equipment such as skidders, feller bunchers, harvesters, loaders
 - ✓ High pressure hydraulic systems where multi-viscosity fluids are preferred
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HEALTH SAFETY This product contains no hazardous components under OSHA definition. Not classified as hazardous to humans or dangerous to the environment, simply wash with soap and water after handling. This product should not be used for purposes other than its intended use. B Typical properties may vary slightly due to product research & development, information may change without notification.

PERFORMANCE LEVELS

John Deere	J20A, B , C (Hy-Gard, Quatrol), D (Low Temp Hy-Gard), J14B (303 Fluid), J14C, J21A
Case/ IH	JIC 143, 145, 145, 146 MS-1204, MS-1205 (TFD), MS 1206 (PowerGard), MS-1207 (Hy-Tran Plus), MS-1209
Ford / New Holland	(Hy-Tran ESN-M2C, 134A, B, C, D; M2C86B, M2C41B, M2C48B, M2C53A, FNHA-2-C-200, FNHA-2-C-201
Massey Ferguson	M-1141 (Permatran® III), M-1135, M1143, M1129-A, M-1127-A/B, M-1110
Agco, White, Allis-Chalmers	PF821XL, M-1127B, M-1129A, M1135, M1141, Permatran III, Q-1722
Caterpillar	TO-2
Kobelco	UDH Fluid
Komatsu	Transmission / Hydraulic Fluid
JCB	Transmission / Hydraulic Fluid
Kubota	UDT Transmission / Hydraulic Fluid/ Super UDT
Sundstrand	Hydrostatic Transmission Fluid
Allison Transmission	C-3, C-4 (When Tractor Fluids are recommended)

TYPICAL PROPERTIES	METHOD	UTHF
Specific Gravity at 15.6°C	D 1298	0.8534
Viscosity, cSt at 100C	D 445	7.34
Viscosity Index	D 2270	176
Viscosity, cP at -18°C	D 2983	2450
Sulphur Content %	D 2622	0.288
Flash Point, C	D 92	214
Pour Point, C	D 97	-47
Foam, Sequence II	D 892	0 / 0
Copper Strip Corrosion	D 130	1A
Conductivity Range	KV Range	20-24