



Hydraulic Fluid

ISO 46/68

Biodegradable

Universal Hydraulic Fluid is a readily biodegradable hydraulic transmission fluid formulated with Biotechbased™ natural vegetable oils. This product surpasses the performance and lubricity of most conventional oils

Biobased

Biobased, biodegradable, non-bioaccumulative, non-aquatic toxic and not toxic to plants. Based on evaluation of the base oils and the finished products, the biobased products are designed to be biodegradable, aquatically non-toxic, not bioaccumulative and with no impact on plants as determined by known test methods. Nevertheless, the use of all the products are subject to the local ordinances and ultimate responsibility for impact remains with the users

Applications

- Designed for equipment using a shared hydraulic fluid reservoir operating clutches, brakes and lift systems

Benefits

- Protects against wear, brake chatter and clutch slippage
- Superior lubricity protects pumps, valves, cylinders and other hydraulic components
- Compatible with most hydraulic hoses and seals
- Meets most manufacturer's specifications
- Virtually biodegradable formulation provides the most safety for the environment
- Meets USDA proposed definition EO 13101 for Biobased products
- Manufactured from natural crop-based oils

Performance

- Exceeds John Deere Wear/Corrosion Test
- Exceeds John Deere Piston Pump AT 94661
- Exceeds John Deere Flow Degradation
- Exceeds Vickers 35-VQ Vane Pump

Properties	Test Method	Typical Values
Viscosity	@40°C, cSt	42-50
Viscosity Index		230
Flash Point	°C, °F	219 (426)
Pour Point	°C, °F	-25 (-13)
Copper Corrosion	ASTM D-130	1A
Base Oil Biodegradability Modified Sturn	OECD 301BB	Pass
Base Oil Aquatic Toxicity (Daphnia)	LC50>1000 PPM	Non-toxic

Packaging	Gallons	Litres
Pail	5	19
Drum	55	208
Bulk Tote	275	1040

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