



Our Business is Global

TECHNICAL DATA

BioTech Series

BIODEGRADABLE HYDRAULIC OIL

BioTech hydraulic oils are premium environmentally responsible hydraulic fluids designed to provide exceptional performance in hydraulic and circulation systems. These vegetable based formulations have been engineered to meet or exceed the performance requirements of most hydraulic pump and system manufacturers, while satisfying the rigorous criteria for biodegradability and toxicity. They offer the anti-wear and film strength characteristics necessary for hydraulic systems operating under high load and high pressure.

BioTech hydraulic oils are inhibited for excellent protection against rust and corrosion. In addition to their excellent performance capability, BioTech hydraulic oils satisfy the requirements for ultimate biodegradability and non-toxicity making them an excellent choice for hydraulic and circulation systems operating in environmentally sensitive areas.

BioTech meets the definition of a biobased lubricant as outlined in section 9001 of The Farm Security and Rural Investment Act (FSRIA) of 2002 (Public Law 107-171/ HR 2642) and qualifies for preferred procurement by U.S. Federal Agencies as set forth in FSRIA section 9002

Physical Properties

PRODUCTS	H-32	H-46	H-68
ISO Grade	32	46	68
Specific Gravity	0.875	0.877	0.888
Viscosity			
@ 40°C, cSt	31.3	43.5	64.6
@ 100°C, cSt	6.80	9.80	12.73
Viscosity Index	185	220	201
Flash Point, °F (°C)	460 (238)	470 (243)	485 (252)
Fire Point, °F (°C)	505 (263)	510 (266)	520 (271)
Pour Point, °F (°C)	-40 (-40)	-35 (-37)	-30 (-34)
FZG Gear Test, DIN 51354	12	12	12
4-Ball Wear, ASTM D 4172, mm	0.38	0.35	0.34
Biodegradadation Classification, ASTM D 5864	ultimate PW1	ultimate PW1	ultimate PW1



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Member of the American Baking Society

