

MILES ULTIHYD BIO

Enhanced Biodegradable Hydraulic Fluid

MILES ULTIHYD BIO is formulated with synthetic esters to provide enhanced biodegradability and performance. It provides excellent thermal and oxidative resistance, leading to a long fluid life and cleaner operations even in extreme operating conditions. MILES ULTIHYD BIO also utilizes the latest anti-wear and anti-corrosion additives to provide exceptional levels of service and protection.

ATTRIBUTES

- Meets DIN 51524 part 3 HEES specifications
- Long fluid life
- Maintains fluidity in cold temperatures
- Controls carbon and varnish formation
- High viscosity Index
- High flash and auto-ignition points
- Low volatility
- Exceptional film strength
- Non-toxic/non-hazardous

TYPICAL PROPERTIES

Lubrication Properties	ULTIHYD BIO-22	ULTIHYD BIO-32	ULTIHYD BIO-46	ULTIHYD BIO-68
Viscosity cSt @ 40°C	23	34	47	68
Flash Point °F (°C)	433 (223)	435 (224)	441 (227)	460 (238)
Oxidative Stability	10,000+	10,000+	10,000+	10,000+
Pour Point °F (°C)	-49 (-45)	-47 (-44)	-47 (-44)	-45 (-43)
Copper Corrosion, 24 Hr	1a	1a	1a	1a
Color	<0.5	<0.5	<0.5	<0.5
Rust Test				
Salt Water	Pass	Pass	Pass	Pass
Fresh Water	Pass	Pass	Pass	Pass
Pump Wear Test				
Vickers (I-286-S, M2950-S, 35VQ25)	Pass Meets	Pass Meets	Pass Meets	Pass Meets
Racine	Meets	Meets	Meets	Meets
Cincinnati Milacron Denison (HF-0, HF-2)	Meets	Meets	Meets	Meets