

**EnviraSafe-BioPure ISO 46
Naturally Biodegradable Hydraulic Oil**

Property	Test Method	Target Requirement	Result
Appearance	Visual	Liquid	Amber Liquid
ISO Grade	ASTM D2422	46	46
Kinematic Viscosity			
@ 40°C	ASTM D445	42-48	44
@ 100°C	ASTM D445	N/R	9.4
Viscosity Index	ASTM D2270	-	207
Pour Point, °C, max	ASTM D97	-23	-33
Flash Point, °C/°F, min	ASTM D92	265	312 (594)
Fire Point, °C/°F	ASTM D92	-	346 (655)
Water Content, %, max	ASTM D1744	0.05	0.03
Rust Prevention	ASTM D665B	Pass	Pass
Copper Corrosion, max	ASTM D130	1B	1A
Galvanic Corrosion	FTM 5322	Pass	Pass
4-Ball Weld (kg)	ASTM D2783	-	160
4-Ball Wear (mm)	ASTM D4172	40 kgf – 0.65 max	0.40 (Pass)
Biodegradability, %, min	ASTM D5864	60	> 97
Aquatic Toxicity	OECD 202 Daphnia	Non-Toxic	Non-Toxic
Foaming	ASTM D892	65/10	10/0
Particle Size	Particle Counter	Pass	Pass
20 VQ Vane Pump Test	ASTM D2271	Pass	Pass
Vickers V-104C Pump Test	ASTM D2882	Pass	Pass
Vickers 35-VQ Pump Test		Pass	Pass

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