



35585 Curtis Boulevard • Eastlake, Ohio 44095 • (440) 951-8633 • (440) 951-4341 FAX

EnviroLogic[®] 3032

High Performance Biodegradable Hydraulic Fluid

Description

EnviroLogic[®] 3032 Hydraulic Fluid is a high performance, semi-synthetic, readily biodegradable, non-hazardous ISO 32 grade hydraulic fluid. It is intended for severe service, extreme high temperature (400°F), low temperature (-40°F) and high pressure applications. It exhibits enhanced wear protection, cleanliness and longer life than conventional petroleum hydraulic oils. EnviroLogic[®] 3032 can directly replace petroleum oil based hydraulic fluids -- yet has reduced environmental impact in the event of a leak or spill.

Typical Properties

Flash Point, °F	ASTM D-92	405	
Specific Gravity, 60°F	ASTM D-1122		0.851
ISO Viscosity Grade	ISO	32	
Viscosity @ 40°C, cSt	ASTM D-445	33.0	
Viscosity @ 100°C, cSt	ASTM D-445	7.0	
Viscosity Index	ASTM D-2270	190	
Pour Point, °F	ASTM D-97		-42

Performance Properties

Biodegradability

OECD 301 B Method	
>66%	
CEC L-33-T-82 Method	>90%

Aquatic Toxicity

EPA/60/4-90/0275 Fathead minnow	24Hr. LC ₅₀ >	10,000
ppm		
	48 Hr. LC ₅₀ >	10,000 ppm

Oxidative Stability (D 2272 @ 150°C / RBOT)



"Solutions for a Greener World"

Minutes

300

Static Oxidation Test

168 hrs. @ 150°C

condition of beaker

clean



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Four Ball Wear Test, ASTM 2266

1 hr., scar mm, 40 kg., 302°F, 1800 RPM

0.40

Vickers Pump (35VQ25)

200°F, 300 psi

Pass

Hydraulic Pump Test, ASTM D-2282

ring and vanes

Pass

Timken Wear, ASTM D-2782

OK Load, lbs.

50

Foam , ASTM D-892

Sequence I, II, III

Pass

Rust, ASTM D665B

Synthetic seawater

Pass

Copper Corrosion, ASTM D-130

3 hours @ 100°C

1a

Demulsibility ASTM D-1401

oil / water / emulsion (minutes)

40-40-0 (10)



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