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EnviroLogic[®] 146

Biodegradable Hydraulic Fluid

Summary of Performance

Biodegradability and Ecotoxicity Testing

Grass exposure test	
Result	Zero after 2 weeks
Biodegradability	
CEC-L-33-T-82	94%
Modified Sturm, OECD 301 B	61%
Ecotoxicity	
Fathead minnow, 96h LC50, ppm	>10,000
Daphnia magna, 48h, EC50, ppm	>10,000
Sludge respiration inhibition, EC50, ppm	>10,000
Algae EC50, ppm	100 - 1000

Pump Performance

Vickers 35VQ25 Pump (3000 psi, 2400 rpm 93.3° C)	Pass
Total Ring & Vane Weight Loss (mg)	
First 50h Test	8.0
Second 50h Test	11.0
Third 50h Test	8.0
Vickers V-104C Pump (2000 psi, 1200 rpm 79.4° C)	Pass
Total Ring & Vane Weight Loss (mg)	
100 hours	4.0
Denison T-5D Vane	
Total weight loss (2000 psi, 93.3° C, 100h)	Pass