



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

EnviroLogic® 3068

High Performance Biodegradable Hydraulic Fluid

Description

EnviroLogic® 3068 Hydraulic Fluid is a high performance, semi-synthetic, readily biodegradable, non-hazardous ISO 68 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® 3068 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 | 420 |
| Specific Gravity, 60°F | ASTM D-1122 | 0.861 |
| ISO Viscosity Grade | ISO | 68 |
| Viscosity @ 40°C, cst. | ASTM D-445 | 68.0 |
| Viscosity @ 100°C, cst. | ASTM D-445 | 14.0 |
| Viscosity Index | ASTM D-2270 | 217 |
| Pour Point, °F | ASTM D-97 | -40 |

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)

Minutes
300



"Solutions for a Greener World"

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)