

ECO FLUID

Dynamic Fluids ~ Global Solutions

- Maintains original viscosity in extreme hot and cold environments
- Excellent oxidation stability
- Excellent heat transfer characteristics
- Exceptional non-toxic switching medium
- Original or retro-fill fluid
- Recyclable and Reusable

ECO fluid is a highly biodegradable insulating oil for use in environmentally sensitive applications. Developed by DSI Ventures, Inc., ECO fluid has excellent electrical characteristics and thermal stability.

Made from synthetic hydrocarbon fluids that were specifically chosen for biodegradation and environmental compatibility, it is your complete solution for biodegradable applications. It is far more biodegradable than conventional transformer oils.

ECO Fluid can be used to retro-fill electrical transformers in applications where the risk of environmental damage must be minimized.

It is compatible with other hydrocarbon based oils, including transformer oils, petroleum-based heat transfer fluids, PAO's and natural ester based fluids. Unlike vegetable oils, it does not turn rancid or polymerize upon contact with air.

Applications

- A highly biodegradable alternative to conventional transformer oil or natural ester fluids
- Process heating and cooling operations
- For biodegradable and lower pour point solutions

TYPICAL CHARACTERISTICS - Compared with ASTM D3487, Guide for Mineral Insulating Oils

<i>Characteristic & ASTM method</i>	<i>ECO Fluid</i>	<i>Transformer Oil</i>
Flash Point, D92, °C, Min	145	145
Viscosity, D88, cSt. @ 100 °C, Max	1.4	3.0
Specific Gravity, D1298, 20 °C, Max	0.86	0.91
Pour Point, D97, °C, Max	-65	-40
Appearance	clear	clear
Dielectric Breakdown, D1816, kV, Min	58	56
Dissipation Factor, D924, 100 °C, Max %	0.01	0.1
Biodegradability (per BOD tests)	95%	—



H-J International, Inc.