

# OPTICOOOL-H FLUID

- Cools more efficiently than other fluids
- Superior heat transfer capabilities
- Higher oxidation and inhibitor stability
- Exceptional for extreme temperature applications
- Compatible with Mineral Oil
- Highly biodegradable for environmental protection

## Highly Refined Heat Transfer Fluid for Cooling Electronics and Transformers

OptiCool-H Fluid is a highly efficient dielectric heat transfer fluid used to cool electrical equipment in underwater applications. OptiCool-H has excellent heat transfer characteristics and a very high dielectric strength.

Containing advanced oxidation inhibitors, it provides longer service life at high temperatures. Compared to standard transformer oil, OptiCool-H biodegrades faster and has better heat transfer characteristics. Gallon for gallon, OptiCool-H Fluid is almost 10% lighter than mineral oil.

OptiCool-H's enhanced electronic cooling performance allows equipment to be smaller in size and minimize the operating temperatures in any equipment.



### Used to Lower Temperatures in Applications:

- Chemical process cooling
- Immersion of electronic circuit boards
- Cooling of underwater vehicle controls
- Excellent fluidity in extreme cold environments

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

Characteristic & ASTM method	OptiCool -H Fluid	Transformer Oil
Flash Point, D92 °C	135	145 min
Viscosity, D88, cSt. @ 40 °C	3.7	12.0 max
Viscosity, D88, cSt. @ 100 °C	1.4	3.0 max
Specific Gravity, D1298, 20 °C	0.82	0.91 max
Pour Point, D97, °C	-55	-40 max
Appearance	Clear	Clear
Dielectric Breakdown, D1816, kV	58	35 min
Dissipation Factor, D924, 100 °C, %	0.01	0.30 max



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