

OPTICOOL FLUID®

Dielectric Fluid for Improved Cooling

OptiCool Fluid is an insulating oil that cools transformers better than conventional transformer oil. It has better heat transfer and a faster biodegradation rate than standard transformer oil.

OptiCool Fluid's enhanced cooling performance allows transformers to be smaller in size. OptiCool Fluid is almost 10% lighter, gallon for gallon, than mineral oil. Use it in any type of electrical equipment. OptiCool will minimize operating temperatures in any transformer. It contains advanced oxidation inhibitors that give it longer service life at high temperatures.

APPLICATIONS:

Use OptiCool fluid in any application for dielectric fluid to reduce size and weight of equipment. OptiCool Fluid is used in polemount and padmount transformers, in high temperature transformers, in overloaded transformers, and in very low-temperature applications.

FEATURES:

- OptiCool fluid cools better than transformer oil.
- OptiCool fluid weighs less than transformer oil
- OptiCool fluid is an excellent dielectric strength.
- OptiCool fluid is compatible with other transformer materials.
- OptiCool fluid has better oxidation resistance than other oils.

TYPICAL PROPERTIES

Characteristic & ASTM method
Viscosity, D88, cSt. @ 100 °C
Fluid Weight, lbs./gal
Pour Point, D97, °C.
Fire Point, D92, °C.
Appearance
Dielectric Breakdown, D1816, kV
Dissipation Factor, 100 °C, D924, %
Biodegradability (per BOD tests)

	OptiCool Fluid	Transformer Oil
Viscosity, D88, cSt. @ 100 °C	1.65	3.0
Fluid Weight, lbs./gal	6.5	7.3
Pour Point, D97, °C.	-65	-40
Fire Point, D92, °C.	160	145
Appearance	clear	yellow
Dielectric Breakdown, D1816, kV	58	56
Dissipation Factor, 100 °C, D924, %	0.001	0.01
Biodegradability (per BOD tests)	yes	some

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