

OMEGA FLUID®

Mineral Transformer Oil, ANSI Standard

Omega Fluid is conventional transformer oil from DSI Fluids. Omega fluid meets ANSI specifications for uninhibited transformer oil, and is designed to be used in all types of electrical equipment.

The manufacturing process for Omega Fluid uses two proprietary refining methods that reduce impurities and impart excellent performance characteristics. Omega has exceptional oxidation stability, enhanced low temperature behavior and improved electrical characteristics. Omega Fluid is available worldwide.

Omega Fluid is made from carefully selected petroleum oils. This guarantees compatibility with other dielectric fluids, including other mineral oils, Alpha-1 Fluid, and fluids containing PCBs or solvents. Omega Fluid meets all applicable ASTM and IEEE Standards mineral dielectric fluids. Omega fluid can be used in switchgear and in tapchangers mounted in transformers. You can use your standard maintenance procedures and equipment with Omega fluid.

APPLICATIONS:

Omega fluid can be used in any application for dielectric fluids. Omega fluid has been used in power and distribution transformers, transformer-rectifier sets, voltage regulators, and in loadbreak and tapchanger switches.

FEATURES:

- Omega fluid has a **high dielectric strength**.
- Omega fluid has **excellent oxidation and heat stability**.
- Omega fluid is **biodegradable and non toxic**.
- Omega fluid is an **excellent switching medium**.

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

<i>Characteristic & ASTM method</i>	<i>Omega Fluid</i>	<i>ASTM Spec</i>
Fire Point, D92, °C.	150	145 min.
Viscosity, D88, cSt. @ 40 °C	11.4	12.0 max
Density @ 20 °C, g/cc	0.87	0.91 max
Pour Point, D97, °C.	-45	-40 max
Color, ASTM units	L0.5	0.5 max
Appearance	clear	clear
Dielectric Breakdown, D877	61	56
Dissipation Factor, 100 °C, D924, %	0.10	0.30
Acid Value, D664, mg KOH/g	0.01	0.03

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