

Transformer Oil X

Transformer Oil X has been developed and formulated to provide strong resistance to oil degradation.Provide excellent oxidation stability for a longer transformer life requiring less maintenance.

Usage

This product has been developed for use in oil-filled electrical equipment, especially power and distribution transformers, rectifiers, circuit breakers and switches.

Features

It provides very good heat transfer: Thanks to its low viscosity and viscosity index, it offers extremely good heat transfer properties to ensure efficient removal of heat from the center and bobbins.

There is excellent oxidation stability: It has been developed and formulated to provide excellent resistance to oil degradation, providing excellent oxidation stability for prolonged transformer life and minimum maintenance.

Low temperature performance: The naftanical feature allows the transformer to operate at the lowest possible temperature without the use of flow-point reducers.

High dielectric strength: When this insulation oil is properly stored and used, it meets the most demanding demands on the dielectric strength and provides performance on these demands.

High Performance Base oil dispersant Feature Naphthenic: Naphthenic base oil structure with 100% foreign matter and particles are contained in the distributive property. Pollution does not allow the influence of isolation.

Technical Specifications

Kinematic Viscosity @40°C, cSt	ISO 3104	Max. 12.0
Kinematic Viscosity @-30°C, cSt	ISO 3104	Max. 1800
Pour Point, °C	ISO 3016	Max. -40
Water Content, mg/kg	IEC 60814	Max. 30
Breakdown Voltage; -Before Treatment, kV -After Treatment, kV	 IEC 60156 IEC 60296	 Min. 30 Min. 30
Density @20°C, kg/dm^3	ISO 12185	Max. 0,895
DDF @90°C	IEC 60247	Max. 0,005
Appearance	Visual	Clear and Free of Sediment
TAN, mg KOH/g	IEC 62021	Max. 0,01
Interfacial Tension @25˚C, mN/m	EN 14210	Min. 43
Total Sulfur Content, wt%	ISO 14596	Max. 0,05

Corrosive Sulfur	DIN 51353	non-corrosive
Potentially Corrosive Sulfur	IEC 62535	non-corrosive
DBDS, mg/kg	IEC 62697-1	not detectable
Antioxidant, %wt	IEC 60666	0,08-0,4
Metal content	IEC 60666	not detectable
2-Furfural and Related Compounds Content, mg/kg	IEC 61198	<0.05
Aromatic content	IEC 60590	5
Oxidation Stability (120°C, 500h); TAN, mg KOH/g Sludge, wt% DDF (90°C)	IEC 61125 C	 Max. 0,3 Max. 0,05 Max. 0,05
Flash Point, °C	ISO 2719	Min. 135
PCA, wt%	IP 346	Max. 3
PCB	IEC 61619	not detectable

Performance

IEC 60296:2020 Edition 5.0, Type A (TVAI), Passes the corrosion test: ASTM D 1275 method B, IEC 62535, DIN 51353 Approved by TEIAS.

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