

Transformer Oil

It is a long-lasting insulation fluid with excellent cooling effect, used in high-power transformers and circuit breakers.

Usage

It is used in high-power transformers and oil-filled circuit breakers. It meets the general specification IEC 60296 (03).

Features

High Antioxidant Effects: Antioxidants contain inhibitors against oxidation. This content ensures a long service life. No caking.
High Performance Base oil dispersant Feature Naphthenic Base Oil: Naphthenic base oil structure with 100% foreign matter and particles are contained in the distributive property. Pollution does not allow the influence of isolation.
High Electrical Insulation: The low of the resistance of the oil to electric stress and isolation provides a complete made.
Superior Cooling Feature: It provides protection for cooling and heat generation.
High Flash Point: In the section where the temperature is high to provide protection against glare.
High Dielectric Factor: Increase the insulation performance and lifetime.
Low Pour Point: Between the transformer and the conservator in all circumstances, it allows you to be comfortable even in the low temperature flow and ensure the reliability of the electrical connection.

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. 70
Density, @20°C, kg/dm^3	ISO 12185	Max. 0,895
DDF (Dielectic dissipation factor) @90°C	IEC 60247	Max. 0,005
Appearance	IEC 60296	Clear and Free of Sediment
TAN, mg KOH/g	IEC 62021	Max. 0,01
Interfacial Tension, mN/m	EN 14210	Min. 43
Total Sulfur Content, %	ISO 14596	Max. 0,05
Corrosive Sulfur	DIN 51353	non-corrosive

Potentially Corrosive Sulfur	IEC 62535	non-corrosive
Corrosive sulfur	ASTM D 1275 B	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	IEC 61198	<0.05
Aromatic Ingredients	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

It meets the General Specification IEC 60296 (03).

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