

Q8 Transformer Oil I

Inhibited transformer oil

Description

Q8 Transformer Oil I is a high performance transformer oil. It is inhibited (I) based on naphthenic mineral oil and free from PCB's. For insulating and cooling of transformers and other oil-filled electrical equipment.

Applications

The product can be used in all types of oil-filled electrical equipment, including power and distribution transformers and switchgears.

Features

Enhanced technology

Benefits

The product exceeds industry requirements on dielectric strength

Exceptional performance, specifically developed for use in oil-filled electrical equipment

Extended oil life

Superior oxidation stability for longer transformer life and reduced maintenance

Specifications & Approvals

IEC 60296

Properties

	Method	Unit	Typical
Appearance	IEC 60296		Clear, Free from Sediment
Density, 20 °C	ISO 12185	kg/dm ³	0.870
Kinematic Viscosity, 40 °C	ISO 3104	mm ² /s	9.5
Kinematic Viscosity, -30 °C	ISO 3104	mm ² /s	1025
Pour Point	ISO 3016	°C	-63
Acidity	IEC 62021	mg KOH/g	<0.01
Corrosive Sulfur	DIN 51353		Non corrosive
Corrosive Sulfur	D 1275		Non corrosive
Corrosive Sulfur	IEC 62535		Non corrosive
Sulfur	ISO 14596	% mass	<0.01
Aromatic content	IEC 60590	% mass	5
Inhibitors (antioxidant)	IEC 60666	% mass	0.38
Water content	IEC 60614	mg-kg	5
Furfural content	IEC 61198	mg-kg	<0.05
Interfacial tension	ISO 6295	mN/m	50
Breakdown voltage, Before treatment	IEC 60156	kV	47
Breakdown voltage, After treatment	IEC 60156	kV	73
Oxidation Stability at 120 °C (500 hr), Total acidity	IEC 61125	mg KOH/g	0.01
Oxidation Stability at 120 °C (500 hr), Sludge	IEC 61125	% mass	0.01
Oxidation Stability at 120 °C (500 hr), DDF at 90 °C	IEC 60247		0.013
Flash Point, P-M	ISO 2719	°C	144
PCA content	IP 346	% mass	<3
PCB content	IEC 61619	mg-kg	Not detectable, 0
Gassing tendency	IEC 60628	µl/min	22.9
DBDS	IEC 62697	mg-kg	Not detectable, 0

The figures above are not a specification. They are typical figures obtained within production tolerances.