



TRANSFO TX

High performance uninhibited Insulating Oil

Product Overview

TRANSFO TX is a very high-quality uninhibited insulating naphthenic oil designed for use in oil-filled electrical equipment – including power and distribution transformers, rectifiers, circuit breakers and switchgears.

TRANSFO TX provides excellent oxidation stability for a longer transformer life with minimum maintenance. It has been developed and formulated to deliver strong resistance to oil degradation, very good heat transfer, excellent oxidation stability and high dielectric strength.

Benefits

- Very good heat transfer
- Low pour point for outdoor installations
- Extremely high resistance to chemical and thermal degradation
- Excellent chemical stability
- High dielectric strength

Applications

- All kinds of oil-cooled power and distribution transformers
- Rectifiers, circuit breakers and switchgears

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

TRANSFO TX	
Meets or exceeds the following industry Specifications	
IEC 60296:04 & 62535	✓
DIN 51353	✓
ASTM D 1275 method B	✓
NRS 079-1:2004	✓

1- Function					
PROPERTIES	UNIT	TEST METHOD	SPECIFICATION LIMITS		TYPICAL DATA
			MIN	MAX	
Viscosity @ 40 °C	mm ² /s	ISO 3104		11.0	9.2
Pour Point	°C	ISO 3016		-40	-57
Water content	Mg/kg	IEC 60814			
-Prior transportation				10	<10
-On delivery				20	<20
Breakdown voltage	kV	IEC 60156			
-Prior transportation			70		>70
-On delivery	Kg/dm ³	ISO 12185	60		>60
Density @ 20 °C		IEC 60247		0.895	0.883
DDF @ 90 °C	µm	IEC 60970		0.005	<0.001
Number of particles per 100 ml					
- On delivery				130000 particles >5 16000 particles >15 or 17/14 (ISO rating)	≤130000 particles >5 ≤16000 particles >15 or 17/14 (ISO rating)
Silicone content	ppm	ASTM D 6595		Not detectable	Not detectable
2- Refining / stability					
Appearance		IEC 60296	Clear, free from sediment	Clear, free from sediment	complies
Acidity	Mg KOH/g	IEC 62021		0.01	<0.01
Interfacial tension	mN/m	EN 12410	40		48
Corrosive sulphur		DIN 51353	Non-corrosive	Non-corrosive	Non-corrosive
Potentially corrosive sulphur		IEC 62535	Non-corrosive	Non-corrosive	Non-corrosive
Corrosive sulphur		ASTM D 1275 B	Non-corrosive	Non-corrosive	Non-corrosive
DBDS	Mg/kg	IEC 62697-1		Not detectable	Not detectable
Antioxidant	Wt %	IEC 60666		Not detectable	Not detectable
Metal passivator additives	Mg/kg	IEC 60666		Not detectable	Not detectable
2-Furfural and related compounds	Mg/kg	IEC 61198		0.05	<0.05
Aromatic content	%	IEC 60590			12

3- Performance					
Test parameters		Method			
At 120 °C, 164h		IEC 61125 C			
-Total acidity	Mg KOH/g			1.2	0.75
-Sludge	Wt %			0.8	0.1
At 110 °C, 164h		ASTM D 2440			
-Total acidity	Mg KOH/g			0.6	0.25
-Sludge	Wt %			0.3	<0.1
Gassing Tendency	Microl/min	IEC 60628		+5	0
4- Health, safety and environment (HSE)					
Test parameters		Method			
Flash Point, PM	°C	ISO 2719	140		152
PCA	Wt %	IP 346		3	<3
PCB		IEC 61619	Not detectable	Not detectable	Not detectable

TRANSFO TX is an uninhibited insulating oil, meeting NRS 079-1:2004. An additive is used to achieve gassing tendency requirements.

Above characteristics are mean values given as information. They do not constitute a specification.