



S-OIL TRANSFORMER OIL T/I

HIGHLY REFINED HYDROTREATED ELECTRICAL INSULATING OIL (Trace-inhibited / inhibited)

Product Description

S-OIL TRANSFORMER OIL is designed based on highly refined, hydro-treated paraffinic base stock with excellent response to anti-oxidant with high degree of purity and stability. It is suitable for use in any kind of electrical applications including power and distribution transformers, converters, rectifier and switchgears.

Applications

- Power transformers, distribution transformers, converters, rectifier, circuit breakers and switchgear

Features and potential benefits

- Excellent oxidation stability with selected anti-oxidant provides extended oil life and stable operation
- Proved anti-corrosion performance with very low Sulfur contents
- Good low temperature fluidity provides continuous operation regardless of any weather condition
- Effective cooling and heat transfer performance and very good dielectric properties
- No impurities such as water, dissolved gas, DBDS, suspended solid and PCB

Performance level

- IEC 60296:2012 : Table 2 transformer oil (T), (I)

Typical Properties

Properties	Method	Units	S-OIL TRANSFORMER OIL T	S-OIL TRANSFORMER OIL I
Appearance	Visual	-	Clear	Clear
Density @ 15°C	ISO 3675 or ISO 12185	g/cm ³	0.829	0.826
Viscosity at -30°C	ISO 3104	cSt	284	269
Viscosity at 40°C	ISO 3104	cSt	7.49	7.48
Viscosity at 100°C	ISO 3104	cSt	2.22	2.22
Pour Point	ISO 3016	°C	-55	-55
Flash Point	ISO 2719	°C	159	151
Acidity	IEC 62021-1/2	mg KOH/g	< 0.01	< 0.01
Oxidation Stability	IEC 61125:1992 (C)			
- Total Acidity		mg KOH/g	< 0.01	0.02
- Sludge		wt%	< 0.01	< 0.01
- DDF @ 90°C			0.0006	0.0009
Inhibitors of IEC 60666	IEC 60666	wt%	0.06	0.34
Water Content	IEC 60814	mg/kg	4	3
Breakdown Voltage (untreated/treated)	IEC 60156	kV	78 / 81	76 / 80
Dissipation Factor at 90°C	IEC 60247 or IEC 61620		0.0003	0.0003
Corrosive Sulphur	DIN 51353		Non Corrosive	Non Corrosive
Potentially Corrosive Sulphur	IEC 62535		Non Corrosive	Non Corrosive
PCBs	IEC 61619	mg/kg	Undetectable	Undetectable
DBDS	IEC 62697-1	mg/kg	Undetectable	Undetectable
Metal Passivator additives	IEC 60666	mg/kg	Undetectable	Undetectable
Furfural and related compounds	IEC 61198	mg/kg	Undetectable	Undetectable

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2024.08.05.



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.
A material safety data sheet is obtainable via your commercial adviser.