

Transformer Oil Type I

(July 2021 edition)

AMALIE Transformer Oil Type I is a non-additized naphthenic electrical transformer insulating oil meeting the requirements of IEC 60296 (05). Formulated from severely hydrotreated naphthenic crude to produce a highly refined mineral oil, **AMALIE Transformer Oil Type I** provides both stability at high temperature and excellent electrical insulating capabilities.

BENEITS

- High Stability at High Temperatures
- Excellent Electrical Insulating Capabilities
- Meets Numerous Industry Standards

PHYSICAL AND CHEMICAL PROPERTIES

Physical, Electrical & Chemical Properties:	Test Method IEC	Limits
Appearance	-	Clear, free from sediments and suspended matter
Density g/ml at 20°C	ISO 3675	0.895 Max.
Kinematic Viscosity, cSt. @ 40°C @-30°C	ISO 3104	12 Max. 1800 Max.
Flash Point, °C (P.M.)	ISO 2719	135 Min.
Pour Point, °C	ISO 3016	-40 Max.
Acidity, mgKOH/g oil	IEC 62021	0.01 Max.
Corrosive Sulphur	DIN 51353	Non-Corrosive
Potentially Corrosive Sulphur	IEC 62535	Non-Corrosive
DBDS	IEC 62697-1	Not Detectable (<5mg/kg)
Furfural and Related Compounds Content	IEC 61198	Not Detectable (<5mg/kg) for each individual compound
Water Content, mg/Kg a- On filling into drums	IEC 60814	a- 30 mg/kg Max.
Antioxidant Additives, wt%	IEC60666	Not Detectable
Oxidation Stability, 164 Hr. a- Total Acidity, mgKOH/g oil b- Sludge, Wt.% c- DDF @ 90°C	IEC 61125-C	a- 1.2 Max. b- 0.8 Max. c- 0.500 Max
Aromatic Content	IEC 60590	Below 15%
Breakdown Voltage: a- On filling into drums	IEC 60156	a- 65 K.V. Min.
Dissipation factor @ 90°C and 40 Hz to 62 Hz	IEC 60247	0.005 Max.
Gassing Tendency at 50 Hz after 120 min, mm ² /min	IEC 60628	To be Reported
PCB	IEC 61619	Not Detectable
Interfacial Tension, mn/m	ASTM D 971	40 Min.
CP (Carbon Bonded Paraffinic), %	IR	Below 50



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ADDITIONAL INFORMATION

AMALIE Transformer Oil Type I raw materials are sourced from either American or European suppliers.

Please use proper handling and care that you would use with any transformer oil. Contact your Sales Representative for SDS.