

POWEROIL TO NE

POWEROIL TO NE is highly stable Natural Ester based Transformer Oil with excellent Electrical, Chemical and Physical Properties meeting IEC 62770 -2024 standard.

Sr No	Characteristics	Unit	Test Method	Guaranteed Data
1	Appearance		Visual	Clear, free from sediments and suspended matter
2	Colour		ISO 2049 (Reference method) ASTM D 1500	Max. 1.0
3	Kinematic Viscosity at 100 ° C	mm ² / sec	ISO 3104(Reference method) ASTM D 7042	Max. 15
	at 40 ° C		ISO 3104(Reference method) ASTM D 7042	Max. 50
4	Pour Point	° C	ISO 3016	Max. -10
5	Water content	mg /kg	IEC 60814	Max. 200
6	Density at 20 ° C	kg/m ³	IEC 12185 (Reference method) ISO 3675 or ASTM D 7042	Max. 1000
7	Breakdown Voltage	kV	IEC 60156	Min. 35
8	Dielectric Dissipation Factor (Tan δ)at 90 ° C & 40 to 60 Hz		IEC 60247 (Reference method)	Max. 0.05
9	Acidity	mg KOH/g	IEC 62021-3	Max. 0.06
10	Corrosive Sulphur		IEC 62535	Non Corrosive
11	DBDS	mg / kg	IEC 62697-1	Below Detection limit
12	Total Additives	%	IEC 60666 or other suitable additives	Max. weight fraction 5%
13	Oxidation Stability at 120 ° C, 48 Hrs.		IEC 61125	
	Total Acidity	mg KOH /g	1.9.4 of IEC 61125 : 1992	Max. 0.6
	Viscosity increase at 40 ° C	%	ISO 3104(Reference method) ASTM D 7042	Max. 30 % increase over the initial value
	DDF (Tan δ) @ 90 ° C		IEC 60247	Max. 0.5
14	Flash Point (COC)	° C	ISO 2592 (Reference method) ASTM D 92	Min. 250
15	Fire Point (COC)	° C	ISO 2592 (Reference method) ASTM D 92	Min.300
16	Biodegradation		US EPA , OECD 301B,C of F	Readily Biodegradable