

POWEROIL TO NE

POWEROIL TO – NE is highly stable Natural Ester based Transformer Oil with excellent Electrical, Chemical and Physical Properties meeting IEC 62770 -2013 standard.

Sr No	Characteristics	Unit	Test Method	Guaranteed Data
1	Appearance		Visual	Clear, free from sediments and suspended matter
2	Kinematic Viscosity at 100 ° C	mm ² / sec	ISO 3104	Max. 15
	at 40 ° C		ISO 3104	Max. 50
3	Pour Point	° C	ISO 3016	≤ -10
4	Water content	mg /kg	IEC 60814	≤ 200
5	Density at 20 ° C	kg/dm ³	ISO 3675 or IEC 12185	Max. 1.0
6	Breakdown Voltage	kV	IEC 60156 (2.5 mm gap)	Min. 35
7	Dielectric Dissipation Factor (Tan δ)at 90 °C & 40 to 60 Hz		IEC 60247	≤ 0.05
8	Soluble Acidity	mg KOH/g	IEC 62021-1 or 2	Max. 0.06
9	Corrosive Sulphur		IEC 62535 or ASTM D 1275 B	Non Corrosive
10	DBDS	mg / kg	IEC 62697-1	Below Detection limit
11	Total Additives	%	IEC 60666	Max. weight fraction 5%
12	Oxidation Stability at 120 ° C, 48 Hrs.		IEC 61125 Method C	
	Total Acidity	mg KOH /g	1.9.4 of IEC 61125 : 1992	≤ 0.6
	Viscosity increase at 40 ° C	%	ISO 3104	Max. 30 % increase over the initial value
	DDF (Tan δ) @ 90 ° C		IEC 60247	≤ 0.5
13	Flash Point (PMCC)	° C	ISO 2719	≥ 250
14	Fire Point (COC)	° C	ISO 2592	> 300

15	Biodegradation		US EPA , OECD 301B,C of F	Readily Biodegradable
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