

POWEROIL TO SE

POWEROIL TO- SE is a Synthetic Ester based , less flammable Transformer Oil with superior oxidation stability meeting IS 16081: 2013 & IEC 61099: 2010 standards

Sr No	Characteristics	Unit	Test Method	Guaranteed Data
1	Color		ISO 2211	Max. 200 Hazen
2	Appearance		Visual	Clear, free from sediments and suspended matter
3	Kinematic Viscosity at 40 ° C	mm ² / sec	ISO 3104	Max. 35
	at -20 ° C		ISO 3104	Max. 3000
4	Pour Point	° C	ISO 3016	≤ -45
5	Water content	mg /kg	IEC 60814	≤ 200
6	Density at 20 ° C	kg/m ³	ISO 3675 or ISO 12185	Max. 1000
7	Breakdown Voltage As received (Untreated)	kV	IEC 60156	Min. 45
8	Dielectric Dissipation Factor (Tan δ) at 90 °C and 50 Hz		IEC 60247	≤ 0.03
9	DC Resistivity at 90 ° C	GΩ.m	IEC 60247	Min. 2
10	Acidity	mg KOH/g	IEC 62021-1 or 2	Max. 0.03
11	Oxidation Stability at 120 ° C, 164 Hrs.		IEC 61125 Method C	
	Total Acidity	mg KOH /g	1.9.4 of IEC 61125 : 1992	Max. 0.3
	Total sludge	%	1.9.1 of IEC 61125:1992	Max. 0.01
12	Flash Point (PMCC)	° C	ISO 2719	Min. 250
13	Fire Point (COC)	° C	ISO 2592	Min. 300

Remarks: POWEROIL Transformer Oil –SE (Synthetic Ester) is also Readily Biodegradable tested as per US EPA, OECD 301B.