



POWEROIL TO 10

POWEROIL TO 10 is an Uninhibited Transformer Oil meeting IEC 296 Class II : 1982 Standard Specification. It also meets the ASTM D 1275 B Test requirement for Corrosive Sulphur.

Sr No	Characteristics	Unit	Test Method	Guaranteed Data	
				Min	Max
1	Appearance		Representative sample of the oil shall be examined in transmitted light under a thickness of 10 cm at ambient temperature	Clear free from sediment and suspended matter	
2	Density at 20 °C	kg / dm ³	ISO 3675		0.895
3	Kinematic Viscosity at 40 °C	mm ² / sec	ISO 3104		11
	at - 30 °C				1800
4	Flash Point, PMCC	°C	ISO 2719	130	
5	Pour Point	°C	ISO 3016		- 45
6	Inter Facial Tension at 25 °C	N / m	ISO 6275	0.04	
7	Neutralization Value	mg KOH/ gm	7.7 of IEC 296		0.03
8	Water Content , Bulk / Drum	ppm	IEC 733		30 / 40
9	Breakdown Voltage		IEC 156		
	As Delivered / After Treatment	kV		30 / 50	
10	Dielectric Dissipation Factor (Tan δ) at 90 °C & 40 to 60 Hz		IEC 247		0.005
11	Corrosive Sulphur Copper Strip, 140 °C, 19 Hrs Copper Strip , 150 °C, 48 Hrs		ISO 5662 ASTM D 1275 B	Non Corrosive Non Corrosive	
12	Anti Oxidant Additives	%	IEC 666	Not Detectable	
13	Oxidation Stability at 100 °C, 164 Hrs		IEC 74		
	Neutralization Value	mg KOH /gm			0.4
	Sludge	%			0.1

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