



## POWEROIL TO 20

POWEROIL TO 20 is an Uninhibited Transformer Oil meeting IEC 296 Class I : 1982 Standard Specification.

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 <sup>3</sup>	ISO 3675		0.895
3	Kinematic Viscosity at 40 ° C	mm <sup>2</sup> / sec	ISO 3104		16.5
	at - 15 ° C				800
4	Flash Point, PMCC	° C	ISO 2719	140	
5	Pour Point	° C	ISO 3016		- 30
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		ISO 5662	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

(Version # 5 January , 2018)

Disclaimer: APAR makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility.