



## POWEROIL TO 20 BS

POWEROIL TO 20 BS is an Uninhibited Transformer Oil meeting BS 148 Class I : 1984 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 an oil depth of 100 mm at ambient temperature	Clear free from sediment and suspended matter	
2	Density at 20 °C	kg / dm <sup>3</sup>	BS 4714		0.895
3	Kinematic Viscosity at 40 °C at - 15 °C	mm <sup>2</sup> / sec	BS 2000 Part 71		16.5 800
4	Flash Point, PMCC	°C	BS 2000 Part 34	140	
5	Pour Point	°C	BS 2000 Part 15		- 30
6	Neutralization Value	mg KOH/ gm	BS 2000 Part 1		0.03
7	Water Content , Bulk / Drum	ppm	BS 6470		30 / 40
8	Breakdown Voltage As Delivered	kV	BS 5874	30	
9	Dielectric Dissipation Factor (Tan δ) at 90 °C & 40 to 62 Hz		BS 573		0.005
10	Corrosive Sulphur Copper Strip, 140 °C, 19 Hrs		BS 5680 : 1979	Non Corrosive	
11	Antioxidant Additives	%	BS 5984 : 1980	Not Detectable	
12	Oxidation Stability at 120 °C, 164 Hrs		BS 148 : 1984 Appendix A		
	Total Acidity	mg KOH /gm			1.5
	Sludge	%			1.0
13	Gassing Tendency at 50 Hz after 120 minutes	mm <sup>3</sup> / min	BS 5797 Method A		+ 5

(Version # 4 1<sup>st</sup> October, 2014)