



## POWEROIL TO 1020 - 60 HT

POWEROIL TO 1020 - 60 HT is a High Grade Trace Inhibited Transformer Oil with higher oxidation stability and lower sulphur content meeting the IEC 60296 - 2003 -11, 3<sup>rd</sup> Edition Standard - Specific Requirements for Special Applications 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		Visual inspection of oil sample 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 or IEC 12185		0.895
3	Kinematic Viscosity at 40 ° C	Mm <sup>2</sup> / sec	ISO 3104		12
	at - 30 ° C				1800
4	Flash Point, PMCC	° C	ISO 2719	135	
5	Pour Point	° C	ISO 3016		- 40
6	Inter Facial Tension at 25 ° C	mN / m	ISO 6295 ( Where it is used as general requirement )	No General Requirement 40 min	
7	Acidity	mg KOH/ gm	IEC 62021-1		0.01
8	Water Content , Bulk / Drum	mg / kg	IEC 60814		30 / 40
9	Breakdown Voltage		IEC 60156		
	As Delivered / After Treatment	kV		30 / 70	
10	Dielectric Dissipation Factor (Tan δ) at 90 ° C & 40 to 60 H.		IEC 60247 or IEC 61620		0.005
11	Corrosive Sulphur Silver Strip, 100 ° C, 18 Hrs Copper Strip , 150 ° C, 48 Hrs		DIN 51353 ASTM D 1275 B	Non Corrosive Non Corrosive	
12	Total Sulphur Content	%	BS 2000 Part 373 or ISO 14596		0.15
13	Anti Oxidant Additives	%	IEC 60666	( T ) Trace Inhibited Oil 0.08 max	
14	Oxidation Stability at 120 ° C, 332 Hrs		IEC 61125 Method C		
	Total Acidity	mg KOH /gm			0.3
	Sludge	%			0.05
	DDF at 90 ° C		IEC 60247		0.05
15	Gassing Tendency	µ L / min	IEC 60628 - A	No General Requirement	
16	PCA Content	%	BS 2000 Part 346		3
17	PCB Content	mg / kg	IEC 61619	Not Detectable	
18	2 – Furfural Content	mg / kg	IEC 61198		0.1

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