



POWEROIL TO 1020 - 60 U

POWEROIL TO 1020 - 60 U is an Uninhibited Transformer Oil meeting IEC 60296 - 2003 – 11, 3rd Edition 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		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 ³	ISO 3675 or IEC 12185		0.895
3	Kinematic Viscosity at 40 ° C	Mm ² / 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	No General Requirement	
13	Anti Oxidant Additives	%	IEC 60666	(U) Uninhibited Oil - Not Detectable	
14	Oxidation Stability at 120 ° C, 164 Hrs		IEC 61125 Method C		
	Total Acidity	mg KOH /gm			1.2
	Sludge	%			0.8
	DDF at 90 ° C		IEC 60247		0.500
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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