



POWEROIL TO 1020 AUT

POWEROIL TO 1020 AUT is a Trace Inhibited Transformer Oil meeting the ASTM D 3487 - 2016 Type I 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	Visual Examination		ASTM D 1524	Clear and bright		
2	Aniline Point	° C	ASTM D 611	63		
3	Color		ASTM D 1500		0.5	
4	Specific Gravity 15 ° C / 15 ° C		ASTM D 1298 / D 4052		0.91	
5	Kinematic Viscosity at 100 ° C at 40 ° C at 0 ° C	mm ² /s	ASTM D 445		3.0	
					12.0	
					76	
6	Flash Point, COC	° C	ASTM D 92	145		
7	Pour Point	° C	ASTM D 97		- 40	
8	Inter Facial Tension at 25 ° C	mN/m	ASTM D 971	40		
9	Neutralization Number, Total Acid Number	mg KOH/ g	ASTM D 974		0.03	
10	Water Content	ppm	ASTM D 1533		35	
11	Dielectric breakdown voltage at 60 Hz VDE electrodes , 1 mm gap 2 mm gap	kV	ASTM D 1816	20		
				35		
12	Dielectric breakdown Voltage, Impulse conditions, negative polarity point	kV	ASTM D 3300	145		
13	Dissipation Factor (or power factor) at 60 Hz 25 ° C 100 ° C	%	ASTM D 924		0.05	
					0.30	
14	Corrosive Sulphur		ASTM D 1275	Non Corrosive		
15	Oxidation Inhibitor Content	%	ASTM D 2668		0.08	
16	Oxidation Stability at 110 ° C, 72 Hrs		ASTM D 2440			
						Total Acid Number
	Sludge	%		0.15		
	at 110 ° C , 164 Hrs					
	Sludge	%		0.3		
17	Gassing Tendency	µ L / min	ASTM D 2300		+ 30	
18	Furanic compounds	µg/L	ASTM D 5837		25	
19	PCB Content	ppm	ASTM D 4059	Not Detectable		

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