TOAP 1020 AUX

TOAP 1020 AUX is an Inhibited Transformer Oil meeting the ASTM D 3487-2006 Type II 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		Simple Visual examination of the oil sample		Clear and bright	
2	Aniline Point		℃	ASTM D 611	63	84
3	Colour			ASTM D 1500		0.5
4	Specific Gravity 15 ℃/ 15 ℃			ASTM D 1298		0.91
5	Kinematic Viscosity at 100℃		cSt (SUS)	ASTM D 445 or D 88		3.0 (36)
	at 40℃					12.0 (66)
	at 0℃					76 (350)
6	Flash Point, COC		℃	ASTM D 92	145	
7	Pour Point		℃	ASTM D 97		-40
8	Inter Facial Tension at 25℃		dynes/cm	ASTM D 971	40	
9	Neutralization Number,Total Acid Number		mg KOH/gm	ASTM D 974		0.03
10	Water Content		ppm	ASTM D 1533		35
11	Breakdown Voltage at 60Hz Disc electrode		kV	ASTM D 877	30	
12	Breakdown Voltage Impulse conditions 25℃, needle negative to sphere grounded, 1- in (25.4 mm) gap		kV	ASTM D 3300	145	
13	Dielectric Dissipation Factor (Tanδ) at 60 Hz at 25℃			ASTM D 924		0.05
	at 100℃					0.30
14	Corrosive Sulphur Copper Strip, 140℃, 19 Hrs			ASTM D 1275 A	Non Corrosive	
	Copper Strip, 150℃, 48 Hrs			ASTM D 1275 B	Non Corrosive	
15	Oxidation Inhibitor Content		%	ASTM D 1473 or D 2668		0.3
16	Oxidation Stability			ASTM D 2440		
	at 110℃, 72 Hrs	Total Acid Number	mg KOH/gm			0.3
		Sludge	%			0.1
	at 110℃, 164 Hrs	Total Acid Number	mg KOH/gm			0.4
		Sludge	%			0.2
17	Oxidation Stability(Rotating Bomb Test)		Minutes	ASTM D 2112	195	
18	Gassing Tendency at 80℃ Procedure B Test Voltage 10 kV		μL/min	ASTM D 2300 by Procedure B		+30
19	PCB Content		ppm	ASTM D 4059	Not Detectable	