

TOAP 1020-60HT

TOAP 1020-60HT is a High Grade Trace Inhibited Transformer Oil with higher oxidation stability and lower sulphur content meeting the IEC 60296-2003-11, 3rd Edition Standard- Specific Requirement 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 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		kV	IEC 60156		
	AS Delivered/After Treatment				30/70	
10	Dielectric Dissipation Factor (Tan δ) 90°C & 40 to 60 Hz			IEC 60247 or IEC 61620		0.005
11	Corrosive Sulphur			DIN 51353 ASTM D 1275 B	Non Corrosive	
	Silver Strip, 100°C, 18Hrs Copper Strip, 150°C, 48Hrs				Non Corrosive	
12	Total Sulphur Content		%	BS 2000 Part 373 or ISO 14596		0.15
13	Anti Oxidant Addictives		%	IEC 60666	(T) Trace inhibited Oil- 0.08 max	
14	Oxidation Stability			IEC 61125 Method C		
	at 120°C, 332 Hrs	Total Acidity	mg KOH/gm			0.3
		Sludge	%			0.05
		DDF at 90°C			IEC 60247	0.05
15	Gassing Tendency		µL/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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