POWEROIL TO 1020 - 60 SNX

POWEROIL TO 1020 - 60 SNX is a severely Hydrotreated High Grade Inhibited Transformer Oil with higher oxidation stability and low sulphur content meeting the IEC 60296 - 2012 – 02 Edition 4.0 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 ^{o} C	g / ml	ISO 3675 or IEC 12185		0.895
3	Kinematic Viscosity at 40 ^{o} C	mm ^{2} / sec	ISO 3104		12
	at - 30 ^{o} C				1800
4	Flash Point, PMCC	^{o} C	ISO 2719	135	
5	Pour Point	^{o} C	ISO 3016		- 40
6	Inter Facial Tension at 25 ^{o} C	mN / m	EN 14210 or ASTM D 971 (Where it is used as general requirement)	No General Requirement 40 min	
7	Acidity	mg KOH/ gm	IEC 62021-1or IEC 62021- 2		0.01
8	Water Content , Bulk / Drum, IBC	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 ^{o}C & 40 to 60 Hz		IEC 60247 or IEC 61620		0.005
11	Corrosive Sulphur Silver, 100 ^{o} C, 18 Hrs Copper, 150 ^{o} C, 48 Hrs		 DIN 51353 ASTM D 1275 B	 Non Corrosive Non Corrosive	
12	Potentially Corrosive Sulphur		IEC 62535	Not Corrosive	
13	DBDS	mg / kg	IEC 62697-1(in preparation)	Not Detectable (< 5 mg/kg)	
14	Total Sulphur Content	%	IP 373 or ISO 14596		0.05
15	Presence of oxidation inhibitor	%	IEC 60666	(I) Inhibited Oil 0.08 to 0.40	
16	Metal Passivator additives of IEC 60666	mg / kg	IEC 60666	Not Detectable (< 5 mg/kg)	
17	Other Additives			Does not contain any additive other than antioxidant additive	
18	Oxidation Stability at 120 ^{o} C, 500 Hrs		IEC 61125 Method C		
	Total Acidity	mg KOH /gm	1.9.4 of IEC 61125 : 1992		0.3
	Sludge	%	1.9.1 of IEC 61125 : 1992		0.05
	DDF at 90 ^{o} C		1.9.6 of IEC 61125 Amendment 1 (2004) + IEC 60247		0.05
19	Gassing Tendency		IEC 60628: 1985 Method A	No general requirement,	
20	PCA Content	%	IP 346		3
21	PCB Content	mg / kg	IEC 61619	Not Detectable (<2 mg /kg)	
22	2 – Furfural and related compounds content	mg / kg	IEC 61198	Not Detectable (< 0.05 mg/kg) for each individual compound	
23	Stray Gassing		See 6.22 of IEC 60296	No General Requirement	
24	ECT		See 6.14 of IEC 60296	No General Requirement	
25	Particle Content		IEC 60970	No General Requirement	

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