

Sr. No.	CHARACTERISTICS	TEST METHOD	GUARANTEED DATA	
			Min	Max
1	Appearance	A representative sample of the oil shall be examined in a 100mm thick layer at 27°C	The oil shall be clear, transparent & free from suspended matter/sediments	
2	Density at 29.5°C, g/cc	IS :1448 (P : 16)- 1990		0.89
3	Kinematic Viscosity at 27°C, cSt	IS :1448 (P : 25)- 1976		27
4	Interfacial Tension at 27°C, N / m	IS :6104 - 1971	0.04	
5	Flash Point, P.M.C.C, ° C	IS :1448 (P : 21)- 1992	140	
6	Pour Point, °C	IS :1448 (P : 10)-1970		-6
7	Neutralisation Value [a] Total acidity, mg KOH/g	IS :1448 (P : 2)-1967		0.03
8	Corrosive sulphur	Annexure - B	Non- Corrosive	
9	Electric strength (BDV) [a] New unfiltered oil, kV (rms) [b] After Treatment, kV (rms)	IS :6792 - 1992	30 If value is not attained the oil shall be filtered 60	
10	Di - electric dissipation factor (Tan δ) at 90°C	IS :6262 - 1971		0.002
11	Specific resistance, ohm - cm [a] At 90°C [b] At 27°C	IS :6103 - 1971	Min. 35 x 10 ¹² Min. 1500 x 10 ¹²	
12	Oxidation Stability at 100°C [1] Neutralisation Value, after oxidation, mg KOH/g [2] Total Sludge after oxidation, % by Wt	Annex C		0.4 0.10
13	Ageing Characteristics at 115°C after accelerated Ageing (open beaker method with copper catalyst) [a] Specific Resistance, ohm - cm (1) At 27°C (2) At 90°C	IS : 12177 - 1987 IS :6103 - 1971	Min. 2.5 x10 ¹² Min.0.20 x 10 ¹²	
	[b] Di - electric dissipation factor (Tan δ) at 90°C	IS :6262 - 1971		0.2
	[c] Total acidity, mg KOH/g	IS :1448 (P : 2) - 1967		0.05
	[d] Total sludge Value, % by Wt	Annex A of IS :12177		0.05
14	Presence of Oxidation Inhibitor, %	IS :13631 - 1993	The oil shall not contain antioxidant additive	
15	Water Content, ppm	IS :13567 - 1992		50

Transol GIS has excellent electrical and oxidation stability properties. It is specially manufactured from highly refined base oils. The product fully complies with IS-335 specification.