

DIVYOL TRANS 5

TRANSFORMER OIL – IS 335:2018 TYPE I – TRACE INHIBITED

Divyol Trans 5 is a Trace Inhibited Transformer Oil made from carefully selected new generation base oil, possessing excellent electrical properties. It meets Type I of IS 335:2018 (Fifth Revision) Standard – Table 2 - general specifications. It also conforms to IEC 60296: 2012 (Fourth Revision) Standard – (T - Trace Inhibited) – Table - 2 general specifications.

Sr. No.	Characteristics	Unit	Test Method	Guaranteed Data	
				Minimum	Maximum
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	g/ml	IS 1448 (Part 16)		0.895
3	Kinematic viscosity at 40 °C	mm ² /sec	IS 1448 (Part 25)		12
4	Kinematic viscosity at -30 °C		IS 1448 (Part 25)		1800
	Flash point, pmcc	°C	IS 1448 (Part 21)	135	
5	Pour point	°C	IS 1448 (Part 10/Sec 2)		-40
6	Interfacial tension at 25 °C	mN/m	ASTM D 971	No general requirement 40 min	
7	Acidity	mg KOH/g	IEC 62021-1		0.01
8	Water content, bulk/drum, IBC	mg/kg	IEC 60814		30/40
9	Breakdown voltage		IS 6792		
	As delivered/after treatment	kV		30/70	
10	Dielectric dissipation factor (Tan δ) at 90 °C and 40 to 60 Hz		IS 16086		0.005
11	Corrosive sulphur silver strip, 100 °C, 18 hrs.		DIN 51353	Not corrosive	
12	Potentially corrosive sulphur		IS 16310	Not corrosive	
13	DBDS	mg/kg	IS 16497 (Part 1)	Not detectable (< 5 mg/kg)	
14	Total sulphur content	%	ISO 14596 / ASTM D 4294	No general requirement	
15	Inhibitors according to IS 13631 / IEC 60666	%	IS 13631	(T) Trace Inhibited Oil	
16	Metal passivator additives according to IS 13631 / IEC 60666	mg/kg	IS 13631	Not detectable (< 5 mg/kg)	
17	Other additives			Does not contain any additives other than antioxidant additive.	
18	Oxidation stability at 120 °C, 332 hrs.		IS 12422 (Method C)		
	Total acidity	mg KOH/g	1.9.4 of IS 12422		1.2
	Sludge	%	1.9.1 of IS 12422		0.8
	DDF at 90 °C		1.9.6 of IS 12422		0.500
19	Gassing tendency	µ L/min	IEC 60628, Method A	No general requirement	
20	PCA content	%	IP 346		3
21	PCB content	mg/kg	IS 16082	Not detectable (< 2mg/kg)	
22	2-Furfural and related compounds content	mg/kg	IS 15668	Not detectable (< 0.05 mg/kg) for each individual compound	
23	ECT		See 6.14 of IS 335:2018	No general requirement	
24	Particle content		IS 13236	No general requirement	

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