DIVYOL TRANS 4
IS 335:2018 TYPE II – INHIBITED TRANSFORMER OIL

Divyol Trans 4 is specially manufactured from carefully selected right type of new generation base oil having excellent electrical properties and confirms to IS 335:2018 Type II – Inhibited.

Sr. No.	Characteristics	Test Method	Limits
	1. Function		
1	**Viscosity at -40 °C**	IS-1448 (Part 25)	15 mm^2/s, max.
2	**Viscosity at 0 °C**	IS-1448 (Part 25)	1800 mm^2/s, max.
3	**Viscosity at -30 °C**	IS-1448 (Part 25)	-
	Viscosity at -40 °C	IS-16084	-
4	**Pour point**	IS1448 (Part 10 / Sec 2)	-10 °C max.
5	**Water content**	IEC 60814	1) 30 mg/kg max. for bulk supply
			2) 40 mg/kg max. for drum supply
6	**Breakdown voltage**	IS 6792	i) 30 KV min. delivered
			ii) 70 KV after treatment
7	**Density at 20 °C**	IS 1448 (Part 16)	0.895 g/ml max.
8	**DDF at 90 °C**	IS 16086 / IEC 60247	0.005 max.
9	**Particle content**	IS 13236	No general requirement
	2. Refining / Stability		
10	**Appearance**	-	Clear, free from sediment and suspended matter
11	**Acidity**	IEC 62021 -1	0.01 mg KOH/g max.
12	**Interfacial tension mN/m**	ASTM D 971	No general requirement
13	**Total sulphur content**	ISO 14596 or ASTM D 4294	No general requirement
14	**Corrosive sulphur**	DIN 51353	Not corrosive
15	**Potentially corrosive sulphur**	IS 16310	Not corrosive
16	**DBDS**	IS 16497 (Part 1)	Not detectable (< 5 mg/kg)
17	**Inhibitors of IEC 60666**	IS 13631	(I) Inhibited Oil; 0.08 % - 0.40 %
18	**Metal passivator additives of IEC 60666 to IS13631**	IS 13631	Not detectable (< 5 mg/kg) or as agreed upon with the purchaser
19	**Other additives**	-	-
20	**2-Furfural and related comp. content**	IS 15668	Not detectable (< 0.05 mg/kg) for each individual compound
	3. Performance		
21	**Oxidation stability**	IS 12422 (method C)	
		Test duration (I) Inhibited oil: 500 hrs.	
	a) Total acidity	1.9.4 of IS 12422	1.2 mg KOH/g max.
	b) Sludge	1.9.4 of IS 12422	0.8% max.
	c) DDF at 90 °C	1.9.4 of IS 12422	0.500 max.
22	**Gassing tendency**	IEC 60628:1985, Method A	No general requirement
23	**ECT**	See 6.14	No general requirement
	4. Health, safety and environment		
24	**Flash point**	IS 1448 (Part 21)	135 °C, min.
25	**PCA content**	IP 346	3.0 %, max.
26	**PCB content**	IS 16082 / ASTM D 4059	Not detectable (< 2 mg/kg)