

Date 14.10.2022

Product Name SUPER TRANSOL

Room Temp. 25±3°C, Humidity < 50 % Frequency 50 Hz, Absolute Barometric pressure 750 mmHg.

SR. NO.	CHARACTERISTICS	TEST METHOD	SPECIFICATION		TYPICAL RESULTS
			MIN	MAX	
A. Function					
1	Viscosity at 40°C, mm ² /s	IS 1448 (P-25)	-	15	8.30
2	Viscosity at 0°C, mm ² /s	IS 1448 (P-25)	-	1800	40.00
3	Pour Point, °C	IS 1448 (P-10/Sec 2)	-	-10	-33
4	Water content, mg/kg	IEC 60814	Max. 30 mg/kg for Bulk		14.00
			Max. 40 mg/kg for Drums		15.00
5	Breakdown Voltage	IS 6792	-	-	-
	5.1. New unfiltered oil, kV (rms)		30	-	71
	5.2. After filtration, kV (rms)		70	-	-
6	Density at 20°C, g/ml	IS 1448 (P-16)	-	0.895	0.8250
7	Density at 29.5°C, g/ml	IS 1448 (P-16)	To Report		0.8200
8	Dielectric dissipation Factor at 90°C	IS 16086	-	0.005	0.00060
B. Refining / Stability :					
9	Appearance	-	The oil shall be clear transparent & free from suspended matter / sediments		Clear transparent & free from suspended matter / sediments
10	Acidity, mg KOH/g	IEC 62021-1	-	0.01	NIL
11	Interfacial Tension at 27°C, mN/M	ASTM D971	40	-	45
12	Corrosive Sulphur	DIN 51353	Not Corrosive		Not Corrosive
13	Potentially corrosive sulphur	IS 16310	Not Corrosive		Not Corrosive
14	DBDS, mg/kg	IS 16497(Part-I)	Not Detectable (< 5 mg/kg)		Not Detected
15	Inhibitor according to IS 13631/IEC 60666, %	IS 13631	Not Detectable (< 0.01%)		Not Detected
16	Metal Passivator additives according to IS 13631 / IEC 60666, mg/kg	IS 13631	Not Detectable (< 5 mg/kg)		Not Detected
17	2-Furfural and related compounds content, mg/kg	IS 15668	Not Detectable (< 0.05 mg/kg)		Not Detected
18	Other Additives	-	None		No Other Additive Added
C. Performance					
19	Oxidation Stability for 164 Hrs	IS 12422 Method C	-	-	-
	19.1. Total acidity, mg KOH/gm	1.9.4 of IS 12422	-	1.2	0.0290
	19.2. Total sludge value, % by wt	1.9.1 of IS 12422	-	0.8	0.0068
	19.3. DDF (tan delta) at 90°C	1.9.6 of IS 12422	-	0.500	0.0076
D. Health, Safety and Environment (HSE)					
20	Flash Point, °C	IS 1448(P-21)	135	-	150
21	PCA Content, %	IP 346	-	3	0.68
22	PCB, mg/kg	IS 16082	Not Detectable (< 2 mg/kg)		Not Detected

Conform to IS 335:2018, Type-II (U)

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