

Sr.No.	PROPERTY	TEST METHOD	GUARANTEED DATA	
			Minimum	Maximum
1 - Function				
1	Viscosity at 40 °C	ISO 3104		12 mm ² /s
	Viscosity at -30 °C	ISO 3104		1800 mm ² /s
2	Pour Point	ISO 3016		- 40 °C
3	Water Content	IEC 60814		30 mg/kg (Bulk) 40 mg/kg (Drum)
4	Breakdown Voltage	IEC 60156	30 kV (Delivered) 70 kV (After Treatment)	
5	Density at 20 °C	ISO 3675 or ISO 12185		895 kg/m ³
	Density at 29.5 °C	ISO 3675 or ISO 12185		0.890 g/ml
6	DDF at 90 °C	IEC 60247		0.005

	2 - Refining / Stability		GUARANTEED DATA	
			Minimum	Maximum
7	Colour	ISO 2049		L 0.5
8	Appearance		Clear, free from sediment & suspended matter	
9	Acidity	IEC 62021 - 1 or IEC 62021-2		0.01 mg KOH/g
10	Interfacial Tension	IEC 62961OR ASTM D971	43 mN/m	
11	Total Sulphur Content	ISO 8754 or ISO 20847		0.05 %
12	Corrosive Sulphur	DIN 51353	Not corrosive	
	Corrosive Sulphur	ASTM D 1275 B	Not corrosive	
13	Potentially Corrosive Sulphur	IEC 62535	Not corrosive	
14	DBDS	IEC 62697-1	Not detectable (< 5 mg/kg)	
15	Inhibitors of IEC 60666	IEC 60666	(I) Inhibited Oil ; 0.08 % to 0.40 %	
16	Metal passivator additives of IEC 60666	IEC 60666	Not detectable (< 5 mg/kg) or as agreed upon with the purchaser	
17	Other additives		Does not contain any additive	
18	2 - Furfural & related compounds content	IEC 61198	Not detectable (< 0.05 mg/kg) for each individual compound	
19	Stray Gassing under thermos oxidative stress	Procedure in clause A .4 (Oil Saturated with air)		
	Hydrogen (H2)	in the presence of copper	Non Stray Gassing (< 50) µl / l	
	Methane (CH4)		Non Stray Gassing (< 50) µl / l	
	Ethane (C2H6)		Non Stray Gassing (< 50) µl / l	

	3 - Performance		GUARANTEED DATA	
			Minimum	Maximum
20	Oxidation Stability at 120 °C	IEC 61125		
		Test duration		
		(I) Inhibited Oil : 500 h		
a)	Total acidity	4.8.4 of IEC 61125 : 2018		0.3 mg KOH/g
b)	Sludge	4.8.1 of IEC 61125 : 2018		0.05 %
c)	DDF at 90 °C	4.8.5 of IEC 61125 : 2018		0.050

	4 - Health , Safety & Environment		GUARANTEED DATA	
			Minimum	Maximum
21	Flash point	ISO 2719	135 °C	
22	PCA content	IP 346		3 %
23	PCB content	IEC 61619	Not detectable (< 2 mg/kg)	

- **TRANSOL HGX** has excellent Electrical and Oxidation stability Properties - It is specially Manufactured from highly Refined Base Oil.
 - The Product fully complies with IEC 60296:2020, TYPE A - Inhibited Standard Grade Oil Edition 5.0.