

DIVYOL TRANS 30 AND 31 – STANDARD & PREMIUM TRANSFORMER OIL – IEC 296 CLASS I & II – UNINHIBITED

Divyol Trans 30 and 31 are Transformer Oils specially manufactured from carefully selected new generation base oils, possessing excellent electrical properties and conforming to standard specifications of IEC 296:1982 Class I and Class II Uninhibited type. They also meet the ASTM D 1275 B test requirements for corrosive sulphur.

Sr. No.	Characteristics	Unit	Test Method	Specification of Divyol Trans 30 IC 296-I (IEC 296 Class I)	Specification of Divyol Trans 31 IC 296-II (IEC 296 Class II)
				Standard	Premium
1	Appearance		Representative sample of the oil shall be examined in transmitted light under a thickness of 10 cm at ambient temperature	Clear free from sediment and suspended matter	Clear free from sediment and suspended matter
2	Density at 20 °C max.	kg/dm ³	ISO 3675	0.895	0.895
3	Kinematic viscosity	mm ² /sec	ISO 3104		
	a) at 40 °C max.			11	11
	b) at -30 °C max.			No general requirement	1800
	c) at -15 °C max.			800	No general requirement
4	Flash point, pmcc min.	°C	ISO 2719	140	140
5	Interfacial tension at 25 °C min.	N/m	ISO 6275	0.04	0.04
6	Electric strength breakdown voltage (BDV)		IEC 156		
	a) As delivered min.	kV		30	30
	b) After treatment min.	kV		60	60
7	Dielectric dissipation factor max. tan Delta at 90 °C and 40 to 62 Hz		IEC 247	0.005	0.005
8	Corrosive sulphur copper strip, at 140 °C, for 19 hrs. copper strip, at 150 °C, for 48 hrs.		ISO 5662 ASTM D 1275 B	Non corrosive, no General Requirement	Non corrosive Non corrosive
9	Anti oxidant additives	%	IEC 666	Not detectable	Not detectable
10	Oxidation stability at 100 °C, for 164 hrs.		IEC 74		
	a) Neutralisation Value max.	mg KOH/g		0.4	0.4
	b) Sludge max.	%		0.1	0.1
11	Pour point max.	°C	ISO 3016	-30	-45
12	Neutralisation value max.	mg KOH/g	7.7 of IEC 296	0.03	0.03
13	Water content	ppm	IEC 733		
	a) bulk max.			30	30
	b) drum max.			40	40

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