

# TRANSFORMER OIL PRODUCT DATA SHEET

German Technology  
Lubricants!

## VELVEX - 148 IT

Is an inhibited Transformer Oil meeting BS 148 class I A: 1984 Standard Specification

Sr. No.	Characteristics	Unit	Test Method	Guaranteed Data	
				Min	Max
1	Appearance		Representative sample of the oil shall be examined in transmitted light under an oil depth of 100 mm at ambient temperature	Clear free from sediment and Suspended matter	
2	Density at 20° C	Kg/m3	BS 4714		0.895
3	Kinematic Viscosity at 40°C	cSt	BS 2000 part 71		16.5
	Kinematic Viscosity at 15°C				800
4	Flash Point, PMCC	°C	BS 2000 part 34	140	
5	Pour Point	°C	BS 2000 Part 15		-30
6	Neutralization Value	mg KOH/gm	BS 2000 part I		0.08
7	Water Content, Bulk/Drum	ppm	BS 6470		30/40
8	Breakdown Voltage As delivered	KV	BS 5874	30	
9	Dielectric Dissipation Factor (Tan Delta) at 90°C & 40 to 62 Hz	-	BS 573		0.005
10	Corrosive Sulphur copper strip,140°C,19 Hrs	-	BS 5680:1979	Non -Corrosive	
11	Antioxidant Additives	%	BS5984:1980	No requirement	
12	Oxidation Stability at 120° C,164 Hrs		BS-148		
	Total Acidity	Mg of KOH/gm			0.25
	Sludge	%			0.01
	At 120°C, 500 Hrs				
	Total Acidity	Mg of KOH/gm			1.5
	Sludge	%			1.0
13	Gassing Tendency at 50 Hz after120 min	mm3/min	BS 5797 Method A		+8