

TRANSFORMER DATA SHEET

DATE : 4/27/2006
 CUSTOMER : HVES
 CIRCUIT/LOCATION : HVES #2
 MANUFACTURER : Howard Industries
 TRANSFORMER TYPE : Pad Mount CLASS : ON/AN
 S/N : 1865860906
 THREE PHASE SINGLE PHASE : 60 HERTZ

VOLTAGE RATING: 2400x4160-480Y277 LV WINDING: ALUMINUM
 KVA RATING: 1000 Continuous, Self Cooled HV WINDING: ALUMINUM
 Continuous, Forced Air LV: 65 °C rise, BIL: 30kV
 HV: 65 °C rise, BIL: 75kV

NAMEPLATE DATA

Core & Coils	2861
Case & Fittings	2069
Oil in Gallons	348
Weight in Pounds	7541

Impedance volts : 5.3 % at rated volts at : 1000 KVA

TRANSFORMER TEST DATA

MEGGER TEST RESULTS

	1 Minute			POLARIZATION INDEX	CAPACITANCE in MICRO-FARAD	
High-> Ground	21.2k	M-Ohms, @	5	kV DC	2.28	0.01
Low -> Ground	28.8k	M-Ohms, @	1	kV DC	1.89	0.01
High-> Low	30.8k	M-Ohms, @	5	kV DC	3.10	0.01

TRANSFORMER TTR TESTS

TAP (V)	CALC. TTR	PHASE 1	PHASE 2	PHASE 3
4368	15.769	15.749	15.750	15.749
4264	15.394	15.374	15.375	15.373
4160	15.018	15.000	15.000	14.999
4056	14.642	14.624	14.625	14.624
3952	14.267	14.249	14.249	14.249
2400	8.664	8.687	8.688	8.687

COMMENTS

ID #10940