

TRANSFORMER DATA SHEET

DATE : 4/27/2006
 CUSTOMER : HVES
 CIRCUIT/LOCATION : HVES #43
 MANUFACTURER : Howard Industries
 TRANSFORMER TYPE : Pad Mount CLASS : ON/AN
 S/N : 1865850906
 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: 30 kV
 HV: 65 °C rise, BIL: 75 kV

NAMEPLATE DATA

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

Impedance volts : 5.4 % at rated volts at : 1000 KVA

TRANSFORMER TEST DATA

MEGGER TEST RESULTS

		1 Minute		POLARIZATION INDEX		CAPACITANCE in MICRO-FARAD	
High-> Ground	23.0k	M-Ohms, @	5	kV DC	2.26		0.01
Low -> Ground	39.6k	M-Ohms, @	1	kV DC	2.00		0.01
High-> Low	35.6k	M-Ohms, @	5	kV DC	3.06		0.01

TRANSFORMER TTR TESTS

TAP (V)	CALC. TTR	PHASE 1	PHASE 2	PHASE 3
4368	15.769	15.748	15.751	15.750
4264	15.394	15.373	15.376	15.374
4160	15.018	14.998	15.001	14.999
4056	14.642	14.624	14.626	14.625
3952	14.267	14.248	14.250	14.250
2400	8.664	8.687	8.688	8.687

COMMENTS

ID #10941