

TRANSFORMER DATA SHEET

DATE : 10/25/2006  
 CUSTOMER : HVES  
 CIRCUIT/LOCATION : HVES 31  
 MANUFACTURER : Howard Industries  
 TRANSFORMER TYPE : Oil Filled CLASS : OA  
 S/N : 4836753806  
 THREE PHASE  SINGLE PHASE  : 60 HERTZ

VOLTAGE RATING: 13,200 - 480Y/277 LV WINDING: ALUMINUM  
 KVA RATING: 2,000 Continuous, Self Cooled HV WINDING: ALUMINUM  
 Continuous, Forced Air LV: 65°C rise, BIL: 30 kV  
 HV: 65°C rise, BIL: 95 kV

NAMEPLATE DATA

Core & Coils	4794
Case & Fittings	2863
Oil in Gallons	461/3458
Weight in Pounds	11115

Impedance volts : 5.50 % at rated volts at : 2,000 KVA

TRANSFORMER TEST DATA

MEGGER TEST RESULTS

	1 Minute			POLARIZATION INDEX	CAPACITANCE in MICRO-FARAD	
High-> Ground	47.60k	M-Ohms, @	5	kV DC	1.79	0.01
Low -> Ground	10.04k	M-Ohms, @	1	kV DC	1.94	0.01
High-> Low	62.30k	M-Ohms, @	1	kV DC	1.99	0.01

TRANSFORMER TTR TESTS

TAP (V)	CALC. TTR	PHASE 1	PHASE 2	PHASE 3
14,400	51.986	52.007	52.009	52.007
13,800	49.819	49.842	49.841	49.827
13,200	47.653	47.619	47.603	47.603
12,870	45.018	45.004	45.006	45.006
12,540	43.321	43.339	43.339	43.339

COMMENTS

Tag 10967  
 Date of manufacture: 10/2006  
 Stored at Dave's Yard





UNIT #6

UNIT 6 NON PCB  
2000KVA WT = 8350 LBS  
480 DELTA / 208Y - 120



HIGH VOLTAGE  
KEEP OUT

**DANGER**  
HIGH VOLTAGE  
KEEP OUT

UNIT #31

UNIT 31 NON PCB  
2000KVA Z=5.50%  
HV 13200 DELTA  
LV 480Y / 277  
WT=12000 LBS  
TAPS: 14400 / 13800 / 13200  
12870 / 12470  
FULL LOAD AMPS=33 AT 13,200V

UNIT 40  
300KVA  
HV 4800  
LV 480Y  
WT=4200  
TAPS 5000  
4680  
FULL LOAD