

TRANSFORMER DATA SHEET

DATE : 03/12/1999
 CUSTOMER : HVES
 CIRCUIT/LOCATION : HVES 10
 MANUFACTURER : HK Porter Co./Delta Star
 TRANSFORMER TYPE : PT CLASS : OA
 S/N : W242616
 THREE PHASE SINGLE PHASE : 60 HERTZ

VOLTAGE RATING: 34400 Delta - 2400 Delta/4160Y/2400 LV WINDING:
 KVA RATING: 5000 Continuous, Self Cooled HV WINDING:
 Continuous, Forced Air LV: 55°C rise, BIL: 75 kV
 HV: 55°C rise, BIL: 200 kV

NAMEPLATE DATA

Core & Coils	13900
Case & Fittings	10430
Oil in Gallons	1430/10670
Weight in Pounds	35000

Impedance volts : 11.2 % at rated volts at : 5000 KVA

TRANSFORMER TEST DATA

MEGGER TEST RESULTS

POLARIZATION INDEX

CAPACITANCE in MICRO-FARAD

	1 Minute				
High-> Ground	90.5k	M-Ohms, @	5	kV DC	1.77
Low -> Ground	565	M-Ohms, @	5	kV DC	1.20
High-> Low	515	M-Ohms, @	5	kV DC	0.95

TRANSFORMER TTR TESTS

TAP (V)	CALC. TTR	PHASE 1	PHASE 2	PHASE 3
36200	15.083	15.052	15.070	15.065
35300	14.708	14.690	14.702	14.696
34400	14.333	14.309	14.319	14.314
33500	13.958	13.927	13.938	13.932
32600	13.583	13.558	13.569	13.565

COMMENTS

Tag 10521
 Date of manufacture: 1969
 Stored at Mullin's Yard

Can also be 2400V Delta on secondary DW&P No. 719 1970.

HV:	Amps:	Position:	Taps:
32600	79.8	1	4+5
35300	81.8	2	3+5
34400	84.0	3	3+6
33500	86.2	4	2+6
32600	88.6	5	

High Voltage Bushings 1-1/8x12 bushing stud, qty. 7 (HV=3, LV=4)

C/N: 7B536G6
 Type: U
 Class: AT 34.5
 Amps: 400
 BIL: 200
 Year: 1969

H1 S/N 1679859 Capacitance 0.355 micro-farad
 H2 S/N 1679858 Capacitance 0.354 micro-farad
 H3 S/N 1679860 Capacitance 0.360 micro-farad

DELTA-STAR TRANSFORMER

NO. W 242616

KVA 5000

CONT. 2152 55 °C

VOLTAGE RATING 34400

2400/41601/2400

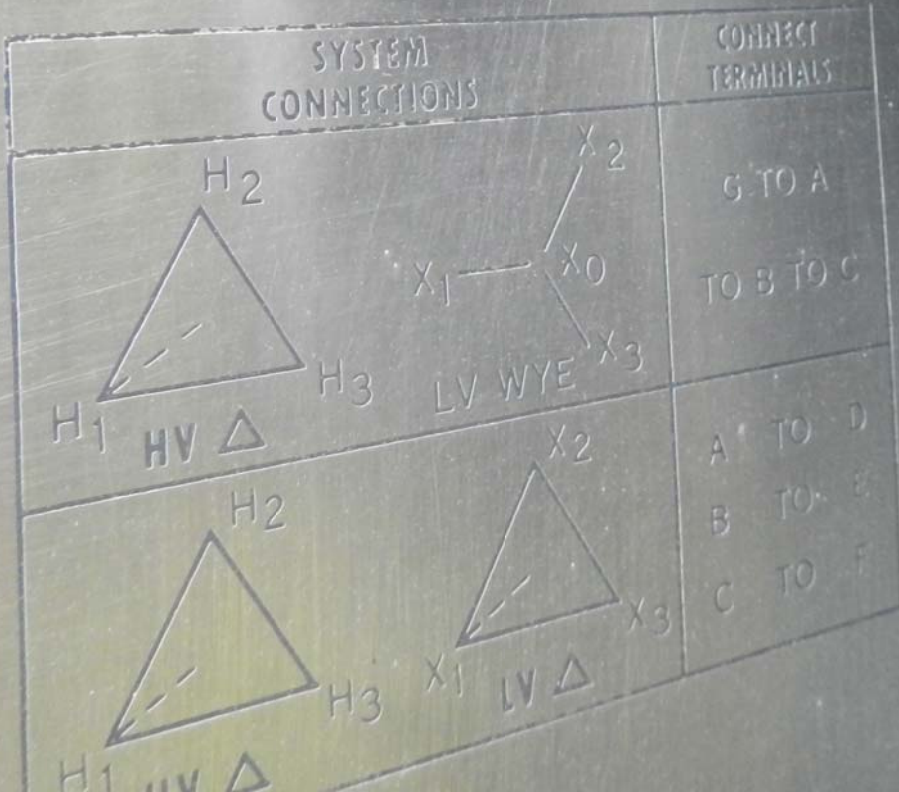
THREE PHASE

60 CYCLES


TYPE PT

FORM C3

W211.2



HIGH VOLTAGE	LV
36200	70.8
35300	71.4
34400	72.0
33500	72.6
32600	73.2



UNIT 10 NON PCB
34400-2400/4160Y2400
Z=11.2%
5000KVA WT=35000 LBS
TAPS: 36200/35300/34400
33500/32600