



PACIFIC CREST
TRANSFORMERS

Customer Name: _____ Serial Number: FMD-0192
 Sales Order Number: L1245 P/N: L0412451 Date of Test: 4/5/2007
 Purchase Order Number: _____ A-26162 Transformer Type: PADMOUNT
 Customer Order Number: _____ KVA: 875 Temperature Rise: 85
 High Voltage: 25000 DELTA BIL: 150 Low Voltage: 690Y/398 BIL: 45
 Conductor Type: ALUMINUM Conductor Type: ALUMINUM
 Fluid Type: Oil Type II Cooling: ONAN Phase: Three Hertz: 60 Tested By: MD

Resistance, losses, impedance, and regulation corrected to 85 degrees Celsius and are based on wattmeter measurements unless otherwise stated. Resistance for three phase transformers is the sum of all three phases in series.

| Resistance (Ohms) | | % Exc. | No Load | Winding | Total |
|-------------------|---------|--------|---------|---------|-------|
| H.V. | LV. | Amps | Watts | Watts | Watts |
| 13.79562 | 0.00498 | 0.4057 | 2580 | 19174 | 21754 |

| % IZ | % IR | % IX | X/R |
|--------|--------|--------|--------|
| 6.2974 | 2.1913 | 5.9038 | 2.6942 |

| Regulation @ | |
|--------------|---------|
| Power Factor | |
| 100% | 80% |
| 2.36560 | 5.35343 |

| Insulation Power Factor | | |
|-------------------------|------------|-------|
| H-GND | H-L | L-GND |
| 0.428 | E.S.SHIELD | 0.516 |

| Transformer Efficiency at given loading | | | | |
|---|----------|----------|----------|----------|
| 125% | 100% | 75% | 50% | 25% |
| 97.02496 | 97.51382 | 97.96336 | 98.31463 | 98.27274 |

| Applied Potential Test | | | |
|------------------------|----------------------|----|------------------|
| Windings | Applied Test Voltage | | Duration of Test |
| H.V. | 50 | KV | 60 Sec. |
| L.V. | 19 | KV | 60 Sec. |

Induced Potential Test
2 times normal voltage across full winding at 180 Hertz for 7200 Cycles.

| Pressure Test | HV - LV Angular Displacement |
|---------------|------------------------------|
| PSI | Duration |
| 7 POUNDS | 12 HOURS |
| | Dy1 |

| Ratio Test Results | | | | |
|--------------------|---------|---------|---------|-------------|
| Tap Voltage | Phase A | Phase B | Phase C | Calc. Ratio |
| 26250 | 65.8350 | 65.8830 | 65.7460 | 65.955 |
| 25625 | 64.3230 | 64.3010 | 64.1670 | 64.384 |
| 25000 | 62.7450 | 62.7200 | 62.5980 | 62.814 |
| 24375 | 61.1710 | 61.1500 | 61.0250 | 61.244 |
| 23750 | 59.5860 | 59.5750 | 59.4590 | 59.673 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

This transformer contained a non-detectable level of polychlorinated biphenyls (PCB's) at the time of manufacture. Pacific Crest certifies this to be a true report based on factory tests made, and that all tests are conducted in accordance with applicable ANSI and NEMA Standards. Pacific Crest is an ISO 9001 registered company. All test equipment is calibrated and traceable to the National Institute of Standards and Technology.