



# 480 VOLT TEST REPORT



CUSTOMER Saber Power JOB # 5 PAGE \_\_\_\_\_  
 OWNER \_\_\_\_\_ DATE 9/29/2011 TEMPERATURE 72 °F HUMIDITY 46 %  
 FACILITY BREAKER SHOP NOTES Tag#48  
 SUB or AREA BREAKER SHOP ASSET/ID \_\_\_\_\_  
 POSITION BREAKER SHOP DEVICE SP100 - 480 VOLT TEST REPORT (4)  
 TESTED BY Luke Atchison TEST SETS USED 0125,0222,0223,0224

### CIRCUIT BREAKER

MANUFACTURER General Electric CAT# WE3DBQEXDXBBXXX FRAME RATING 800  
 C.T. RATING 800 SERIAL NUMBER P140009465-04-01 INTERRUPTING RATING 635vac @ 50ka

### TRIP UNIT

MANUFACTURER General Electric CAT# K220LSIGM TYPE MicroVersaTrip PM  
 RATING PLUG CAT# TR8B700 RATING PLUG RATING 700

### TRIP UNIT AS FOUND SETTINGS

LONG TIME PICKUP 1 LONG TIME DELAY 4 CURVE # GES-9910A  
 SHORT TIME PICKUP 2 SHORT TIME DELAY 3 out  
 INSTANTANEOUS 2  
 GROUND FAULT PICKUP .6 GROUND FAULT DELAY 3 out

LONG TIME DELAY 2100 LONG TIME % 300  
75 to 125 Sec LONG TIME PICKUP 700

SHORT TIME DELAY 2100 SHORT TIME % 150  
.35 to .5 Sec SHORT TIME PICKUP 1400

INSTANTANEOUS 1400

GROUND FAULT DELAY 720 GROUND FAULT % 150  
.35 to .5 Sec GROUND FAULT PICKUP 480

| PHASE               | P1        | P2        | P3        |
|---------------------|-----------|-----------|-----------|
| LONG TIME PICKUP    | 670 Amps  | 652 Amps  | 698 Amps  |
| LONG TIME DELAY     | 101.1 Sec | 95.41 Sec | 96.28 Sec |
| SHORT TIME PICKUP   | 1399 Amps | 1397 Amps | 1366 Amps |
| SHORT TIME DELAY    | .414 Sec  | .408 Sec  | .413 Sec  |
| INSTANTANEOUS       | 1396 Amps | 1424 Amps | 1389 Amps |
| GROUND FAULT PICKUP | 488 Amps  | 506 Amps  | 514 Amps  |
| GROUND FAULT DELAY  | .42 Sec   | .405 Sec  | .405 Sec  |

NOTES  
 Gound Fault # GES-9911A

### CONTACT RESISTANCE

MILLIVOLT DROF P1 89 P2 75 P3 81 CONTACT RESISTANCE IN MICRO OHMS @ 10 Amps : P1 20 P2 24 P3 24

### INSULATION TEST - 1KVDC

| PHASE TO GROUND OPEN |    |    | PHASE TO PHASE OPEN |      |        | CROSS OPEN POLES |        |    | PHASE-GRND CLOSED |    |    | PHASE-PHASE CLOSED |    |        |        |        |
|----------------------|----|----|---------------------|------|--------|------------------|--------|----|-------------------|----|----|--------------------|----|--------|--------|--------|
|                      | P1 | P2 | P3                  |      | P1->P2 | P2->P3           | P1->P3 | P1 | P2                | P3 | P1 | P2                 | P3 | P1->P2 | P2->P3 | P1->P3 |
| LINE                 | 3T | 3T | 3T                  | LINE | 3T     | 3T               | 3T     | 3T | 3T                | 3T | 3T | 3T                 | 3T | 3T     | 3T     | 3T     |
| LOAD                 | 3T | 3T | 3T                  | LOAD | 3T     | 3T               | 3T     |    |                   |    |    |                    |    |        |        |        |

### CONTROL WIRING 500VDC

OPEN ----- CLOSED ----- NOTES:

### OPERATIONS

| UNDER VOLTAGE RELEASE   | SHUNT TRIP                  | AUXILIARY SWITCH        | CLOSE COIL                  | ELECTRIC OPERATOR           | BLOWN FUSE OPERATOR         | BELL ALARM       |
|-------------------------|-----------------------------|-------------------------|-----------------------------|-----------------------------|-----------------------------|------------------|
| VOLTAGE   N/A           | VOLTAGE   48VDC             | STAGES   14A-14B        | VOLTAGE   N/A               | VOLTAGE   N/A               | VOLTAGE   N/A               | VOLTAGE   N/A    |
| CAT #   -----           | CAT #   139C4378G           | CAT #   241B7016P004    | CAT #   -----               | CAT #   -----               | CAT #   -----               | CAT #   N/A      |
| NEW   -----             | NEW   New                   | NEW   New               | NEW   -----                 | NEW   -----                 | NEW   -----                 | NEW   New        |
| 15 MIN TEST   -----     | MICROSWT FUNCTIONAL   Check | Ohms   .1               | MICROSWT FUNCTIONAL   ----- | MICROSWT FUNCTIONAL   ----- | MICROSWT FUNCTIONAL   ----- | VOLT R-UP   N/A  |
| DROPOUT VOLTAGE   ----- | VOLTAGE RUN UP   20         | 25 OPERATIONS COMPLETED | VOLTAGE RUN UP   -----      | Ohms   -----                | LOCK OUT   -----            | LOCK OUT   Check |
| Ohms   -----            | Ohms   10.7                 | N/A                     | Ohms   -----                |                             | RESET   -----               | RESET   Check    |
|                         |                             |                         |                             |                             | VOLT R-UP   -----           | Ohms   N/A       |
|                         |                             |                         |                             |                             | Ohms   -----                |                  |

Test Satisfactory  Test Unsatisfactory (Please See Deficiencies Below)

COMMENTS: \_\_\_\_\_

DEFICIENCIES: \_\_\_\_\_