

MEG Test Report – Generator

Project / Site: Cavenero, L9
 Location: KTR operating
 Date: 10/25
 Technician: Cedric Calvert

Equipment Information

| | |
|------------------|-----------------|
| Equipment Type | Generator |
| Capacity | 1250 kW |
| Voltage | 480 V |
| Frequency | 60 Hz |
| Manufacturer | <u>CAT</u> |
| Model/Serial No. | <u>G5X00311</u> |
| Operating Hours | |

Test Instrument Details

| | |
|-----------------------|---|
| Instrument Type | Insulation Resistance Tester (Megger) |
| Instrument Make/Model | <u>Fluke 1507</u> |
| Calibration Due Date | |
| Test Voltage Applied | <input checked="" type="checkbox"/> 500 V <input type="checkbox"/> 1000 V <input type="checkbox"/> 2500 V <input type="checkbox"/> Other: _____ |

Test Conditions

| | |
|---------------------|-------------------|
| Ambient Temperature | <u>85</u> °C / °F |
| Relative Humidity | <u>65</u> % |
| Winding Temperature | <u>85</u> °C |

Insulation Resistance Readings

| Test Point | 30 sec (MΩ) | 60 sec (MΩ) | 10 min (MΩ) | PI (10min/1min) | Remarks |
|------------------|-------------|-------------|-------------|-----------------|------------|
| Phase A – Ground | <u>3.31</u> | <u>3.6</u> | <u>4.52</u> | | <u>N-1</u> |
| Phase B – Ground | | | | | |
| Phase C – Ground | | | | | |
| Phase – Phase | | | | | |

Acceptance Criteria

• Minimum IR Value: $\geq 1 \text{ M}\Omega \text{ per kV} + 1 \text{ M}\Omega$ (as per IEEE 43-2013, unless otherwise specified).