Pacific Power Co.

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Site Circuit Designation
Transformer 2

Job Information

Customer Name	None
Job Site Name	University of Texas
Owner	None
Job Name	UT Building 8 Transformer Repair
Address	2139 San Jacinto Blvd, Austin, TX 78712
Project Lead	
Tested By	
Date	

Equipment Information

Serial Number	
Equipment Location	
Manufacturer	Eaton
Model	VFI Transformer
Type	Oil-filled Transformer
Power Rating	
Primary Config	None
Secondary Config	None

Primary Voltage	None V
Secondary Voltage	None V
Control Voltage	_____ VAC
Weight	
Temperature Rise	°None
Impedance	%
Class	
Ambient Temperature	°
Number of Taps	
Tap Position	
Insulation Type	Air
Date Manufactured	

Visual And Mechanical Inspections

Fail	Nameplate data matches drawings/specs
Fail	Inspect physical and mechnical condition
Fail	Inspect impact recorder prior to unloading
Fail	Test dew point of tank gases
Fail	Inspect anchorage, alignment, and grounding
Fail	Verify the presence of PCB content labeling
Fail	Verify removal of any shipping bracing after placement
Fail	Verify the bushings are clean
Fail	Verify that alarm, control, and trip settings on temperature and level indicators are as specified
Fail	Verify operation of alarm, control, and trip circuits from temperature and level indicators, pressure relief device, gas accumulator, and fault pressure relay
Fail	Verify that cooling fans and pumps operate and have correct overcurrent protection
Fail	Electrical connections inspected for high resistance by Ohmmeter, Torque Wrench (on accessible connections), or Thermographic Survey
Fail	Verify correct liquid level in tanks and bushings
Fail	Valves are in correct operating position
Fail	Verify that positive pressure is maintained on gas-blanketed transformers
Fail	Perform inspections and mechanical tests as recommended by the manufacturer
Fail	Verify the presence of surge arresters
Fail	Verify de-energized tap-changer position is left as specified

Insulation Resistance

Primary to Secondary	Primary to Ground	Secondary to Ground
_____ GΩ at _____V	_____ GΩ at _____V	_____ GΩ at _____V

Winding Resistance

X0-X1	X0-X2	X0-X3	H1-H2	H2-H3	H3-H1
_____ mΩ	_____ mΩ	_____ mΩ	_____ Ω	_____ Ω	_____ Ω

Transformer Turns Ratio

Tolerance:+/%

Tap		1
Tap Voltage		
Expected		
H1-H2:X0-X2		
Error		%
H2-H3:X0-X3		
Error		%
H3-H1:X0-X1		
Error		%