

Site Circuit Designation

T3 Sample Transfoermer

Equipment Information

Job Information

Customer Name	Valero Oil Co.	Serial Number	SDOIIFJOIEW234	Primary Voltage	None V
Job Site Name	Valero Port Arthur Refinery	Equipment Location		Secondary Voltage	None V
Owner	Valero	Manufacturer	ACME Electric	Control Voltage	VAC
Job Name	Valero Preventative Maintenance 2022 123	Model	Transformer Pro 3000	Weight	
Address	100 W Lakeshore Dr, Port Arthur, TX 77641	Type	Dry Type Medium Voltage Transformer	Temperature Rise	°C
Project Lead	Eddy Yang	Power Rating		Impedance	%
Tested By		Primary Config	None	Class	
Date		Secondary Config	None	Ambient Temperature	°F
				Number of Taps	5
				Tap Position	
				Insulation Type	Air
				Date Manufactured	

Visual And Mechanical Inspections

Pass	Nameplate data matches drawings/specs
Fail	Inspect physical and mechanical condition
Pass	Inspect anchorage, alignment, and grounding
Fail	Verify that resilient mounts are free and that any shipping brackets have been removed
Fail	Unit is clean
Pass	Verify that control and alarm settings on temperature indicators are as specified
Fail	Verify that cooling fans and fan motors have correct overcurrent protection
Fail	Electrical connections inspected for high resistance by Ohmmeter, Torque Wrench, or Thermographic Survey
Fail	Perform inspections and mechanical tests as recommended by the manufacturer
Fail	Verify as-left tap connections are as specified
Fail	Verify the presence of surge arresters

Insulation Resistance

Primary to Secondary _____ GΩ at _____ V	Primary to Ground 12.54 GΩ at 5000V	Secondary to Ground _____ GΩ at _____ V
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Winding Resistance

X0-X1 _____ mΩ	X0-X2 _____ mΩ	X0-X3 _____ mΩ	H1-H2 _____ Ω	H2-H3 _____ Ω	H3-H1 _____ Ω
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Transformer Turns Ratio

Tolerance: +/%

Tap	1	2	3	4	5
Tap Voltage					
Expected		--			
H1-H2:X0-X2					
Error	%	%	%	%	%
H2-H3:X0-X3					
Error	%	%	%	%	%
H3-H1:X0-X1					
Error	%	%	%	%	%