

Site Circuit Designation

Lights Transformer

## Equipment Information

## Job Information

Customer Name	Valero Energy	Serial Number		System Voltage	
Job Site Name	OKT Oil Refinery Anadarko	Equipment Location		Control Voltage	
Owner	Valero Energy	Manufacturer	Eaton	Trip Coil Voltage	AC
Job Name	Dhskd	Model	VCP-W	Operations Counter As-Found	
Address	12335 State Hwy 987, Anadarko, OK 98942	Type	Medium Voltage Vacuum Breaker	Operations Counter As-Left	
Project Lead	Eddy Yang	Max Voltage		Date Manufactured	
Tested By		Continuous Amp Rating			
Date					

## Visual And Mechanical Inspections

Fail	Nameplate data matches drawings/specs
Fail	Inspect physical and mechanical condition
Fail	Inspect anchorage, alignment, and grounding
Fail	Verify that all maintenance devices such as special tools and gauges specified by the manufacturer are available for servicing and operating the breaker
Fail	Unit is clean
Fail	Perform all mechanical operation tests on the operating mechanism in accordance with manufacturer's published data
Fail	Measure critical distances such as contact gap as recommended by manufacturer
Fail	Electrical connections inspected for high resistance by Ohmmeter, Torque Wrench, or Thermographic Survey
Fail	Verify cell fit and element alignment
Fail	Verify racking mechanism operation
Fail	Verify appropriate lubrication on moving current-carrying parts and on moving and sliding surfaces
Fail	Perform contact-timing test
Fail	Perform trip/close coil current signature analysis
Fail	Perform mechanism motion analysis
Fail	All space heaters are operating correctly

## Insulation And Contact Resistance

Phase-to-Phase Insulation Resistance	@____ V	A-B ____ Giga $\Omega$	B-C ____ Giga $\Omega$	C-A ____ Giga $\Omega$
Line-to-Load Insulation Resistance	@____ V	A-A' ____ Giga $\Omega$	B-B' ____ Giga $\Omega$	C-C' ____ Giga $\Omega$
Phase-to-Ground Insulation Resistance	@____ V	A-G ____ Giga $\Omega$	B-G ____ Giga $\Omega$	C-G ____ Giga $\Omega$
Contact Resistance	@____ amps	____ micro $\Omega$	____ micro $\Omega$	____ micro $\Omega$

## High Potential Test

Tested at \_\_\_\_ Volts

Phase-to-Phase	A-B ____ milliAmps	B-C ____ milliAmps	C-A ____ milliAmps
Line-to-Load	A-A' ____ milliAmps	B-B' ____ milliAmps	C-C' ____ milliAmps
Phase-to-Ground	A-G ____ milliAmps	B-G ____ milliAmps	C-G ____ milliAmps