

## Voltage Regulator Evaluation Report

**Customer:** Anthony Electric Department

**Address:** 124 S. Bluff

**City/State:** Anthony, KS

**Tester:** LANCE.EVERHART

**Date Tested:** 03/03/2023

**KVA:** 167.0

**Amp:** 219

**Voltage:** 7,620

**Voltage as Found:** 7,200

**Complete**

**IC #:** 122146997

**Make:** COOP

**Tank Serial #:** 989104632

**Panel Box Serial #:**

**Control Serial #:** ED7859

### Preliminary Tests

Type:	Straight	
Meggar Reading:	35.20	GΩ
TTR:	Pass	
Current Transformer Ratio:	250.00	/2
Potential Windings:	Pass	
Neutral Light Switch:	Acceptable	
Operation Counter Switch:	Acceptable	
Limit Switches (Both):	Acceptable	
Drag Hand Reset:	Acceptable	
C.T. Polarity/Ratio:	Pass	
Remote Mounted Capacitor:	No	
Bypass Arrestor:	Acceptable	
Lightning Arrestors:	N/A	
Cord Type / Length:	Quick Disconnect	Tank Mount
Bad Bushings:	0	
Oil Sight:	Acceptable	
Inspection Lid Cover:	Acceptable	
Drain Valve:	Acceptable	
Tank Condition:	Acceptable	
Position Indicator:	Acceptable	
Bad Stationary Contacts:	0	
Bad Moving Contacts:	0	
Gallons of Oil:	81	
Condition:	Recondition	

### Control

Control IC#:	118155760
Make:	COOP
Type:	CL-5C
Band Width:	0
Time Delay:	0
# of Operations:	0
Control Voltage:	0
Manual Operation:	Acceptable
Operation Counter:	Acceptable
Neutral Light:	Acceptable
Auto Operation:	Acceptable
C.T. Polarity/Ratio:	Acceptable
VLC:	Yes
VRC:	Yes
Data Pack:	Yes
MCI:	No
Control Condition:	Acceptable

### Repair Costs

Maintenance, labor, bake out, new gaskets, motor capacitor, pressure relief, testing and paint.

#### Parts needed:

54" 12 Cond QD Cord  
Connector I(01330) Cable Assy  
J/B 12-Cond Ext Cap Cable Assy  
OIL SIGHT  
POS IND LENSE 6.25x.118  
CONTACT; SPRING DRIVE; CP  
Motor Replacement Kit #3014

### Optional Pricing

#### Notes/Comments:

**Regulator Total:**

**Control Total:**

**Grand Total:**

**\$6,645.00**



## Voltage Regulator Evaluation Report

**Customer:** Anthony Electric Department

**Address:** 124 S. Bluff

**City/State:** Anthony, KS

**Tester:** LANCE.EVERHART

**Date Tested:** 03/07/2023

**KVA:** 167.0

**Amp:** 219

**Voltage:** 7,620

**Voltage as Found:** 7,200

**Complete**

**IC #:** 122146998

**Make:** COOP

**Tank Serial #:** 989104555

**Panel Box Serial #:**

**Control Serial #:** ED5955

### Preliminary Tests

Type:	Straight	
Meggar Reading:	18.70	GΩ
TTR:	Pass	
Current Transformer Ratio:	250.00	/2
Potential Windings:	Pass	
Neutral Light Switch:	Acceptable	
Operation Counter Switch:	Acceptable	
Limit Switches (Both):	Acceptable	
Drag Hand Reset:	Acceptable	
C.T. Polarity/Ratio:	Pass	
Remote Mounted Capacitor:	No	
Bypass Arrestor:	Acceptable	
Lightning Arrestors:		
Cord Type / Length:	Quick Disconnect	Tank Mount
Bad Bushings:	0	
Oil Sight:	Unacceptable	
Inspection Lid Cover:	Acceptable	
Drain Valve:	Acceptable	
Tank Condition:	Acceptable	
Position Indicator:	Acceptable	
Bad Stationary Contacts:	0	
Bad Moving Contacts:	0	
Gallons of Oil:	81	
Condition:	Recondition	

### Control

Control IC#:	118155762
Make:	COOP
Type:	CL-5C
Band Width:	0
Time Delay:	0
# of Operations:	0
Control Voltage:	0
Manual Operation:	Acceptable
Operation Counter:	Acceptable
Neutral Light:	Acceptable
Auto Operation:	Acceptable
C.T. Polarity/Ratio:	Acceptable
VLC:	Yes
VRC:	Yes
Data Pack:	Yes
MCI:	No
Control Condition:	Acceptable

### Repair Costs

Maintenance, labor, bake out, new gaskets, motor capacitor, pressure relief, testing and paint.

#### Parts needed:

Connector / (01330) Cable Assy  
J/B 12-Cond Ext Cap Cable Assy  
CONTACT; SPRING DRIVE; CP  
CP 6 BELL BUSHINGS  
OIL SIGHT  
54" 12 Cond QD Cord  
POS IND LENSE 6.25x.118

### Optional Pricing

#### Notes/Comments:

**Regulator Total:**

**Control Total:**

**Grand Total:**

**\$4,980.00**

## Voltage Regulator Evaluation Report

**Customer:** Anthony Electric Department

**Address:** 124 S. Bluff

**City/State:** Anthony, KS

**Tester:** LANCE.EVERHART

**Date Tested:** 03/07/2023

**KVA:** 167.0

**Amp:** 167

**Voltage:** 7,620

**Voltage as Found:** 7,200

**Complete**

**IC #:** 122146999

**Make:** COOP

**Tank Serial #:** 989104630

**Panel Box Serial #:**

**Control Serial #:** ED7898

### Preliminary Tests

Type:	Straight	
Meggar Reading:	14.50	GΩ
TTR:	Pass	
Current Transformer Ratio:	250.00	/2
Potential Windings:	Pass	
Neutral Light Switch:	Acceptable	
Operation Counter Switch:	Acceptable	
Limit Switches (Both):	Acceptable	
Drag Hand Reset:	Acceptable	
C.T. Polarity/Ratio:	Pass	
Remote Mounted Capacitor:	No	
Bypass Arrestor:	Acceptable	
Lightning Arrestors:	N/A	
Cord Type / Length:	Quick Disconnect	Tank Mount
Bad Bushings:	0	
Oil Sight:	Acceptable	
Inspection Lid Cover:	Acceptable	
Drain Valve:	Acceptable	
Tank Condition:	Acceptable	
Position Indicator:	Acceptable	
Bad Stationary Contacts:	0	
Bad Moving Contacts:	0	
Gallons of Oil:	81	
Condition:	Recondition	

### Control

Control IC#:	118155763
Make:	COOP
Type:	CL-5C
Band Width:	0
Time Delay:	0
# of Operations:	0
Control Voltage:	0
Manual Operation:	Acceptable
Operation Counter:	Acceptable
Neutral Light:	Acceptable
Auto Operation:	Acceptable
C.T. Polarity/Ratio:	Acceptable
VLC:	Yes
VRC:	No
Data Pack:	Yes
MCI:	No
Control Condition:	Unacceptable

### Repair Costs

Maintenance, labor, bake out, new gaskets, motor capacitor, pressure relief, testing and paint.

#### Parts needed:

J/B 12-Cond Ext Cap Cable Assy  
54" 12 Cond QD Cord  
Connector /(01330) Cable Assy  
OIL SIGHT  
ARRESTER BRACK. 9.5x3.5 CP  
POS IND LENSE 6.25x.118

### Optional Pricing

#### Notes/Comments:

Pixels on right side of screen do not work. Cannot read numbers. Recommend junk or replace with CL-7. Additional \$4500. SEL-2431 controls also available for \$2,500.

**Regulator Total:**

**Control Total:**

**Grand Total:**

**\$4,105.00**