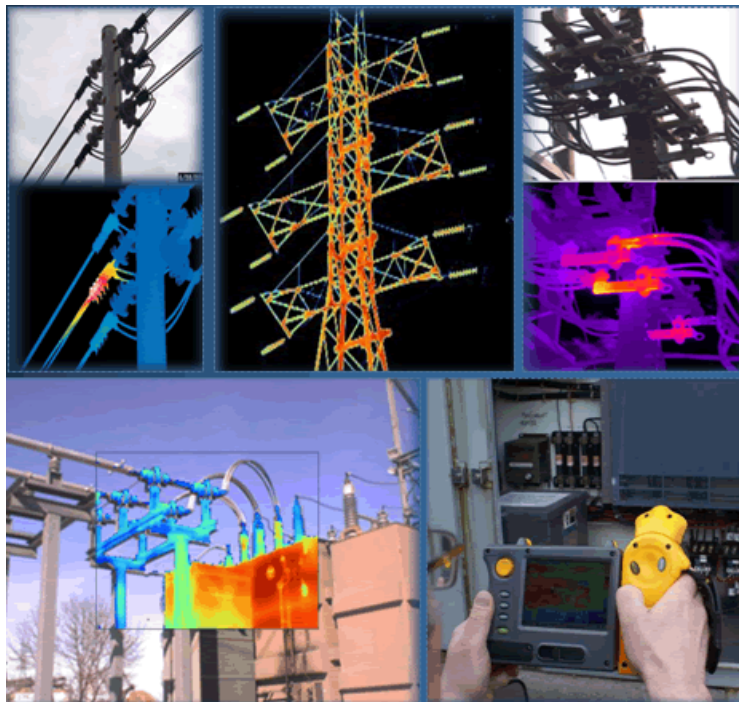


**Thermography Inspection at**  
**ABC Company**  
**123 Street, Philadelphia, PA 19124**  
**Sept. 13, 2011**  
**By**  
**William M. Paone**



	<b>Thermography Inspection at ABC Company</b>	<b>Date: Sept. 13, 2011</b>
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Inspection Site Information	
Customer	ABC Company
Address	123 Street, Philadelphia, PA 19124
Contact person	Your Name
Phone number	(555) 555-5555
Thermographer	William M. Paone

**INFORMATION**

**Job # PBC-11002**  
**Inspection Date: September 13, 2011**  
**Report Date: October 2, 2011**

**Findings:**

This report shows (27) potential hazards found at the listed facility on the date of inspection. They are ranked based on the criteria listed on the following page. Recommendations are listed for each occurrence.

**Equipment Inspected:**

- Motor Control Centers
- Switch Gear
- Panelboards
- Load Centers
- Transformers
- Disconnect Switches
- Control Panels

	<b>Thermography Inspection at ABC Company</b>	<b>Date: Sept. 13, 2011</b>
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**Summary of Inspection**

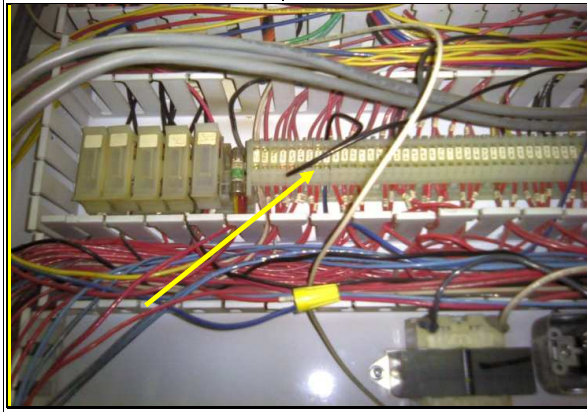
**Overview of Priority / Fault Rating:**

**0:** Normal      Temp rise 0-9 °F      To be monitored – Plan new inspection, repair when able  
**1:** Low            Temp rise 9-18 °F      Repair at next scheduled shut down  
**2:** Medium       Temp rise 18-63 °F      Schedule repair before next shut down  
**3:** High            Temp rise >63 °F      Severe - Repair immediately

Location	Equipment	Fault / Priority	Page Number
Office	Panel #3	2	4
Office	Panel #2	1	5
Hallway by Maintenance Shop	Panelboard, 2nd from Spectra Panel	2	6
Production Area	Western MCC Line (Douglas)	2	7
Mechanical Room	Panel PP# 2	1	8
Mechanical Room	Lighting Panel M	2	9
Electrical Room	220VAC Panel	1	10
Compressor Room	Panel	1	11
Compressor Room	Panel	2	12
Compressor Room	400A Switch	0	13
Compressor Room	PLC Panel	2	14
Compressor Room	PLC Panel	1	15
Compressor Room	PLC Panel	3	16
Compressor Room	Panel	0	17
Compressor Room	Control Panel #6 Freezer	3	18
Compressor Room	Control Panel #6 Freezer	3	19
Compressor Room	Control Panel #6 Freezer	3	20
Compressor Room	New Holding Freezer #2	0	21
Compressor Room	Tempering Air Unit Control	2	22
Compressor Room	Tempering Air Unit Control	2	23
Compressor Room	Tempering Air Unit Control	2	24
Compressor Room	Tempering Air Unit Control	2	25
Compressor Room	Tempering Air Unit Control	1	26
Compressor Room	Control Panel, left of emergency exit	3	27
Compressor Room	Control Panel, left of emergency exit	2	28
Compressor Room	Control Panel FES #2	3	29
Production Area	Grinder / Blender	1	30

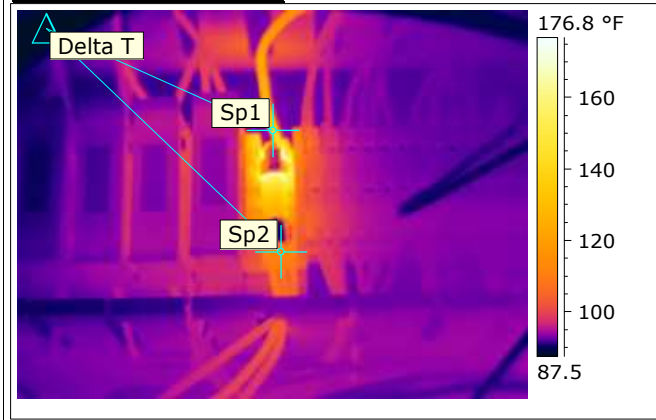
	<b>Thermography Inspection at ABC Company</b>	<b>Date: Sept. 13, 2011</b>
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**Photo and Identification**



Location	Compressor Room
Location Description	Maintenance Shop
Equipment	PLC Panel
Fault	2

**Thermogram 9/13/2011**



Sp1 Temperature	140.6 °F
Sp2 Temperature	111.8 °F
Delta T Value	28.8

**Analysis & Recommended action:**

**Priority: 2**

**Problem:**

There is a 28.8 deg rise on the line conductor over the load side conductor

**Recommendation:**

- Clean and tighten connections
- Check fuse clips for tightness

**Thermographer:** William M. Paone      Signature:.....      date: **Sept. 13, 2011**

Repaired by:.....      date:

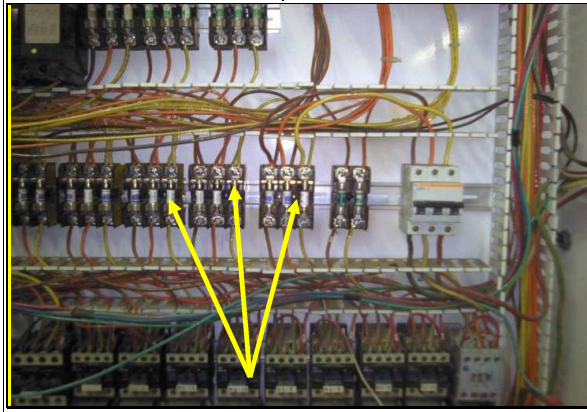
Comment:.....

PAONE ELECTRIC, LLC  
File Name: IR Sample Report  
Job# PBC-11002

14 (30)

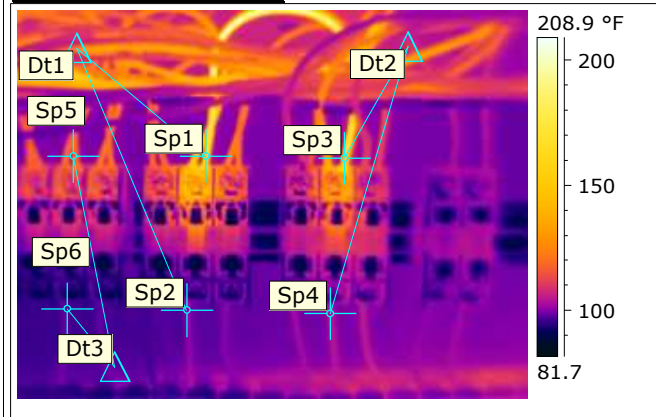
2015-04-16

**Photo and Identification**



Location	Compressor Room
Location Description	Maintenance Shop
Equipment	PLC Panel
Fault	3

**Thermogram 9/13/2011**



Sp1 Temperature	168.3 °F
Sp2 Temperature	101.6 °F
Sp3 Temperature	170.2 °F
Sp4 Temperature	105.7 °F
Sp5 Temperature	115.9 °F
Sp6 Temperature	98.3 °F
Dt1 Value	66.7
Dt2 Value	64.6
Dt3 Value	17.6

**Analysis & Recommended action:**

**Priority: 3**

**Problem:**

- There is a 66.7 deg rise on the line side conductor over the load side (DT1)
- There is a 64.6 deg rise on the line side conductor over the load side (DT2)
- There is a 17.6 deg rise on the line side conductor over the load side (DT3)

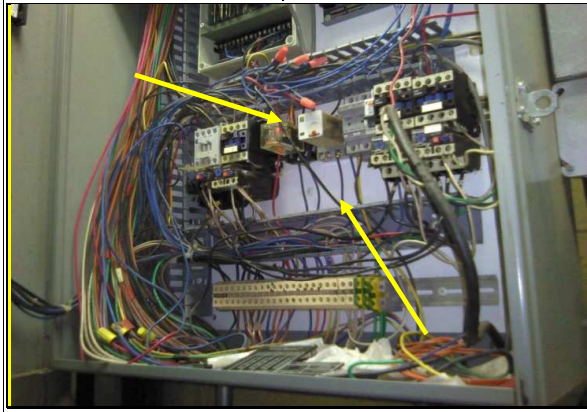
**Recommendation:**

Clean and tighten connections

**Thermographer:** William M. Paone      Signature:.....      date: **Sept. 13, 2011**

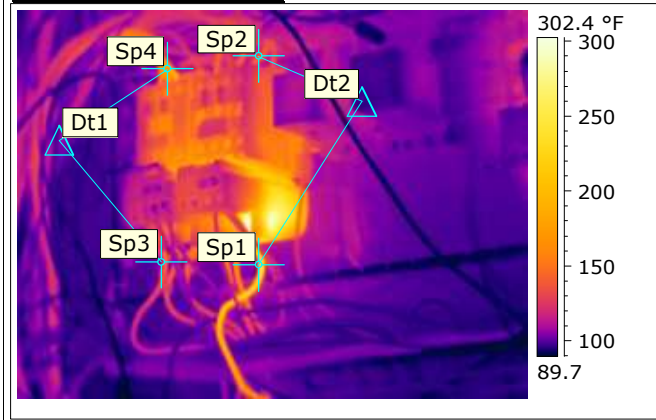
Repaired by:.....	date:
Comment:.....	

**Photo and Identification**



Location	Compressor Room
Location Description	Maintenance Shop
Equipment	Control Panel #6 Freezer
Fault	3

**Thermogram 9/13/2011**



Sp1 Temperature	235.9 °F
Sp2 Temperature	142.8 °F
Sp3 Temperature	115.3 °F
Sp4 Temperature	182.8 °F
Dt1 Value	67.5
Dt2 Value	93.1

**Analysis & Recommended action:**

**Priority: 3**

**Problem:**

There is a 67.5 deg rise on the line conductor over the load conductor (DT1)  
 There is a 93.1 deg rise on the load conductor over the line conductor (DT2)

**Recommendation:**

Clean and tighten connections  
 Check for faulty devices

**Thermographer:** William M. Paone      Signature:.....      date: **Sept. 13, 2011**

Repaired by:.....      date:

Comment:.....