



***THIS REPORT HAS BEEN SPECIALLY PREPARED FOR:***

**XYZ Corp**

**Anywhere, USA**

**October 26, 2015**

**This report contains results of Infrared Thermography performed on selected plant equipment.**

**This report has been prepared for: Mr. Johnny B Goode  
Inspection performed by Colby Britt**

**Data was collected on October 26, 2015**

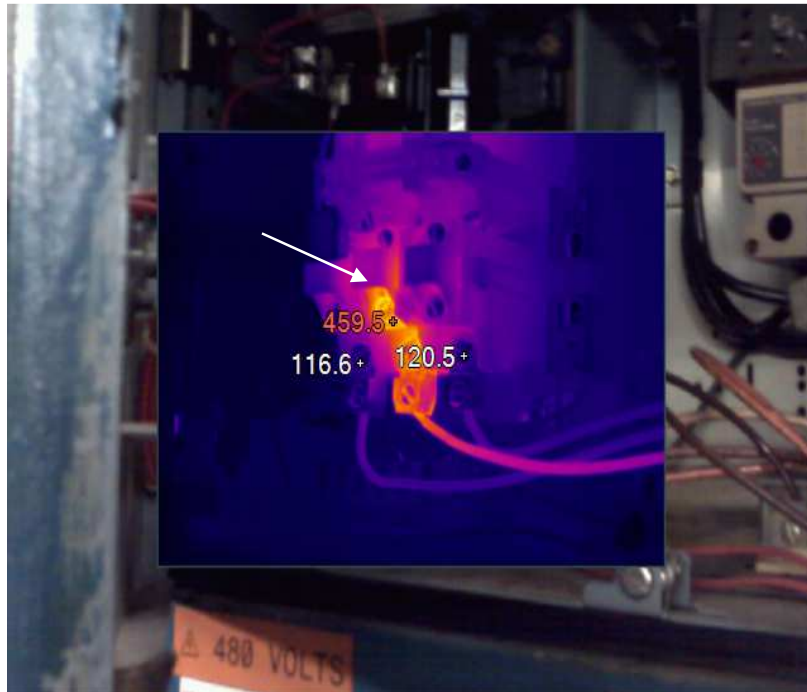
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## EXPLANATION OF PRIORITY CODES FOR IDENTIFIED EQUIPMENT / COMPONENTS

Temperature difference ( $\Delta T$ ) based on comparisons between similar components under similar loading		
$\Delta$ Temperature	Priority	Recommended Action
0°F to 18°F	Low / 1	Probable deficiency; warrants investigation
19°F to 36°F	Medium / 2	Indicates probable deficiency; repair as time permits
37°F to 72°F	Med-High / 3	Monitor continuously until corrective measures can be accomplished
$\geq 72^\circ\text{F}$	High / 4	Major discrepancy; repair promptly.
<i>Listed temperature differentials are representative of load at time of survey. Note that temperature will increase exponentially with load.</i>		

Note: Current phase is identified from left to right as A, B, and C. Thorough cleaning of terminal(s) and wire(s) is highly recommended prior to retightening.

Inspection Date:	10/26/2015 10:15:11AM	Location	DP5-9
Equipment	A-Press South Exhaust Fan	Component:	Load Side on Starter
Emissivity:	0.98	Reflected Temperature:	70.0 °F

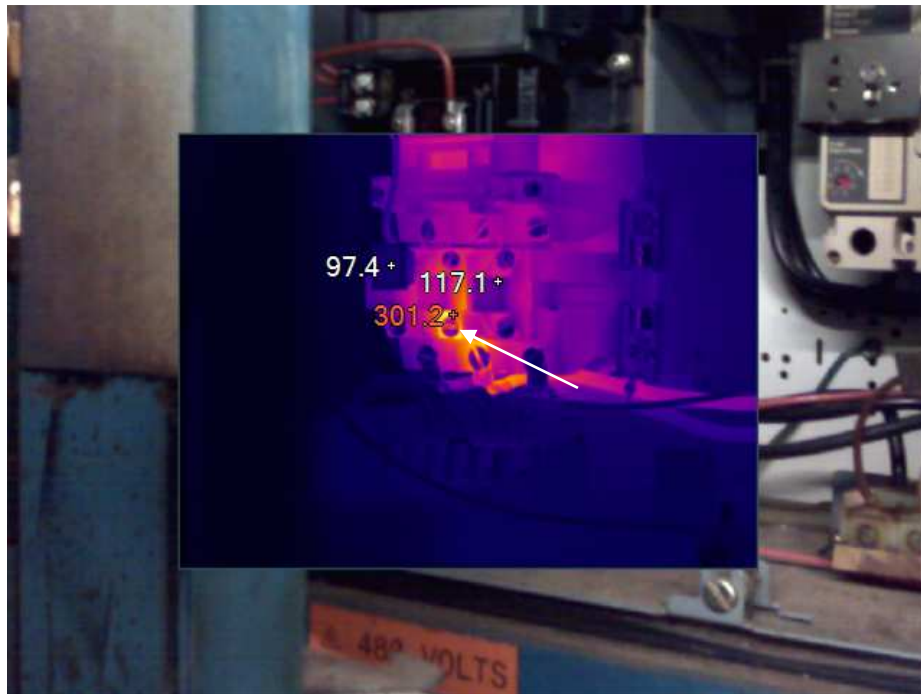


<b>Phase:</b> A <b>B</b> C	Line Side <b>Load Side</b>	$\Delta$ Temperatures: 342.9F	<b>Priority: HIGH</b>
<b>Temperatures</b>	Phase A: 116.6 F	Phase B: 459.5 F	Phase C: 120.5 F
Recommended Action:	Replace the Load Side "B" Phase wire on the starter. Check the starter for any damage that the burnt wire may have caused.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 10:19:26AM	Location	DP5-12
Equipment	A-Press Tray Exhaust Fan	Component:	Load Side of Starter
Emissivity:	0.98	Reflected Temperature:	70.0 °F

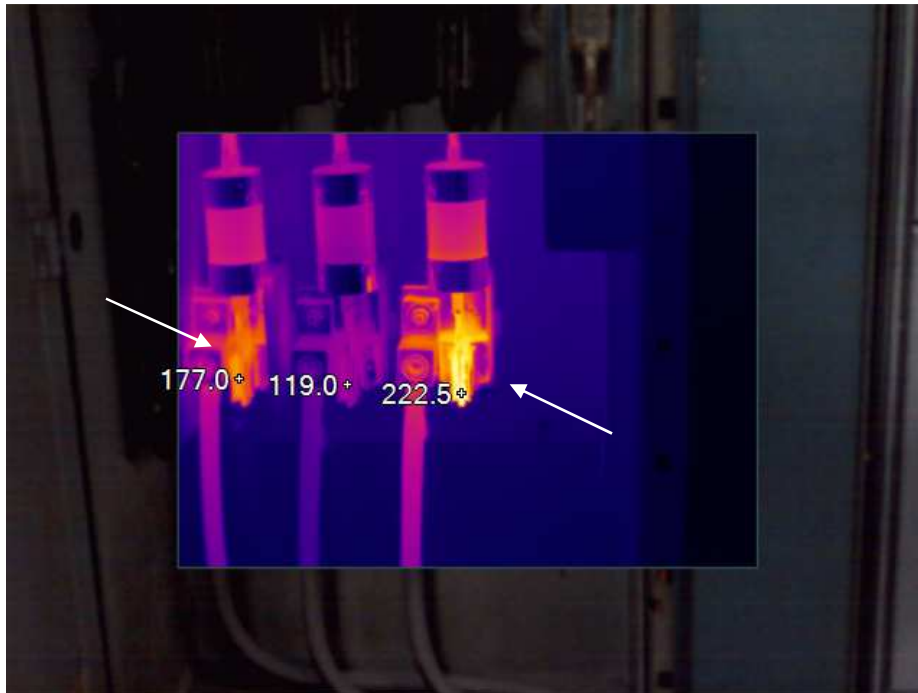


<b>Phase:</b> A <b>B</b> C	Line Side <b>Load Side</b>	Δ Temperatures: 203.6 F.	<b>Priority: HIGH</b>
<b>Temperatures</b>	Phase A: 97.4	Phase B: 301.2 F	Phase C: 117.1 F
Recommended Action:	Inspect starter and wires for any damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 11:16:24AM	Location	DP6A-26
Equipment	Buffer #3	Component:	Main Fuse "A and C" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F

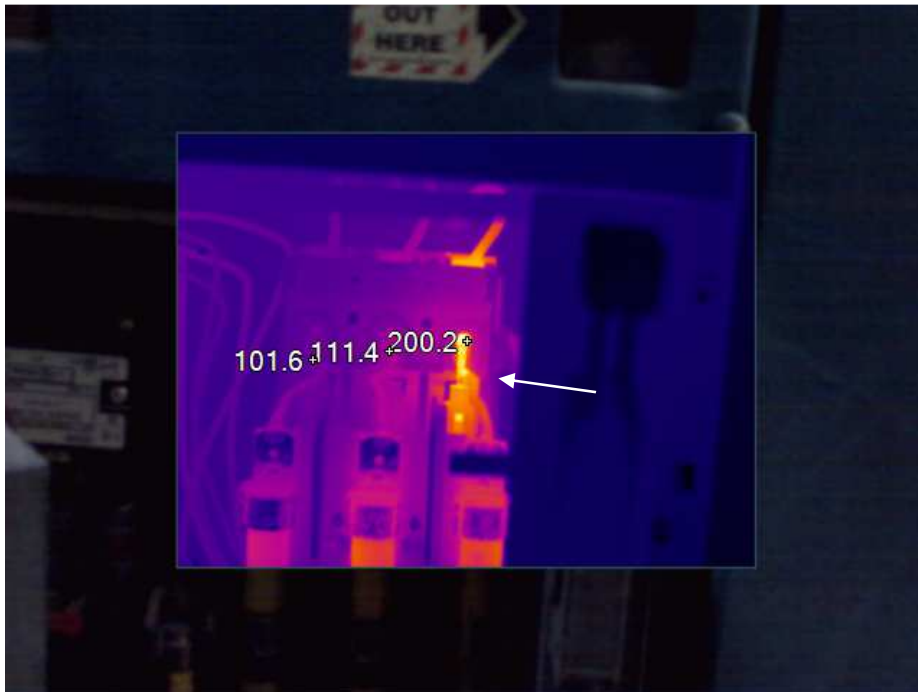


<b>Phase:</b> A B C	<b>Line Side</b> Load Side	△ Temperatures: 103.5 F.	<b>Priority: HIGH</b>
<b>Temperatures</b>	Phase A: 177.0	Phase B: 119.0 F	Phase C: 222.5 F
Recommended Action:	Clean fuse holder and replace fuses. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 9:24:04AM	Location	DP1-21
Equipment	Cutter Stock Supply Fan 30	Component:	Main Fuse "C" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A B <b>C</b>	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 98.6 F.	<b>Priority: HIGH</b>
<b>Temperatures</b>	Phase A: 101.6 F	Phase B: 111.4 F	Phase C: 200.2
Recommended Action:	Clean fuse holder and replace fuses. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 9:41:18AM	Location	DP10-5
Equipment	Mill #4 Filter Pump	Component:	Terminal "T2"
Emissivity:	0.98	Reflected Temperature:	70.0 °F

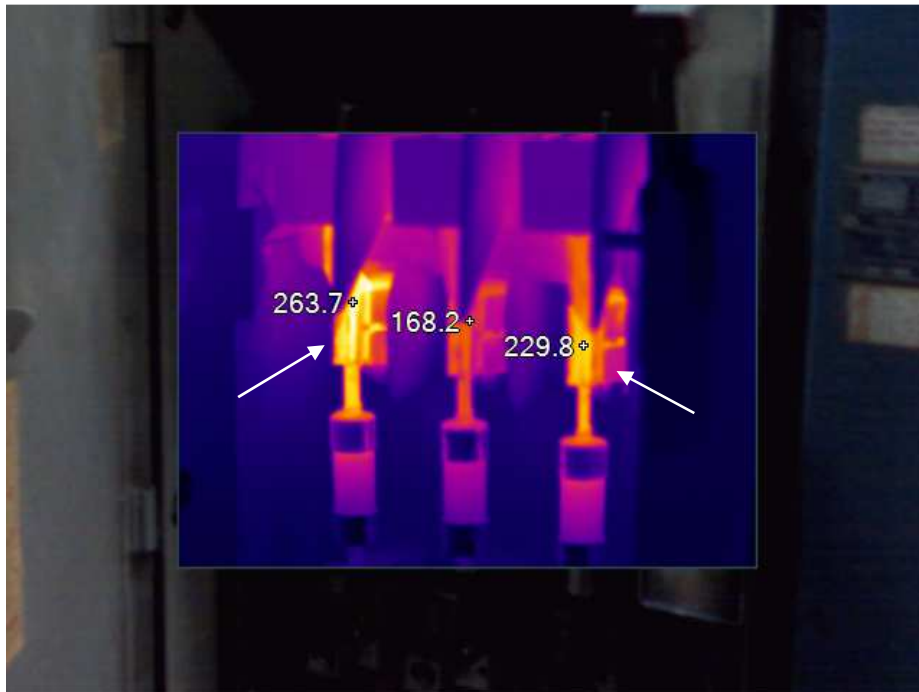


<b>Phase:</b> A B C	Line Side	Load Side	$\Delta$ Temperatures: 120.5 F	<b>Priority: HIGH</b>
<b>Temperatures</b>	T1: 91.0 F	T2: 211.5 F	T3: 95.4 F	
Recommended Action:	Check the connection and tightness of the wire. Replace wires and terminal as needed.			

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 9:09:16AM	Location	DP1-4
Equipment	Banbury Control Panel	Component:	Main Fuse "A and C" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



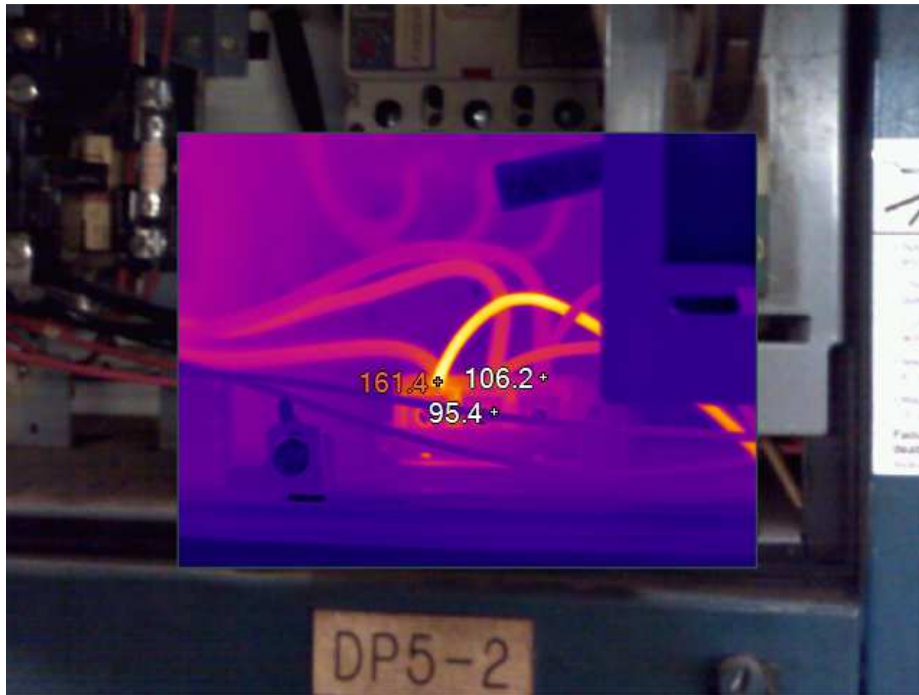
<b>Phase:</b> A B C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 95.5 F.	<b>Priority:</b> HIGH
<b>Temperatures</b>	Phase A: 263.7 F	Phase B: 168.2 F	Phase C: 229.8 F
Recommended Action:	Clean fuse holder and replace fuses. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 10:21:07AM	Location	DP5-1
Equipment	B-Press N Exhaust Fan	Component:	Terminal "T1"
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A B C	Line Side	Load Side	$\Delta$ Temperatures: 66.0 F.	<b>Priority: MED-HIGH</b>
<b>Temperatures</b>	T1: 161.4 F	T2: 95.4 F	T3: 106.2 F	
Recommended Action:	Clean wire and lug thoroughly. Tighten wire and replace if damaged.			

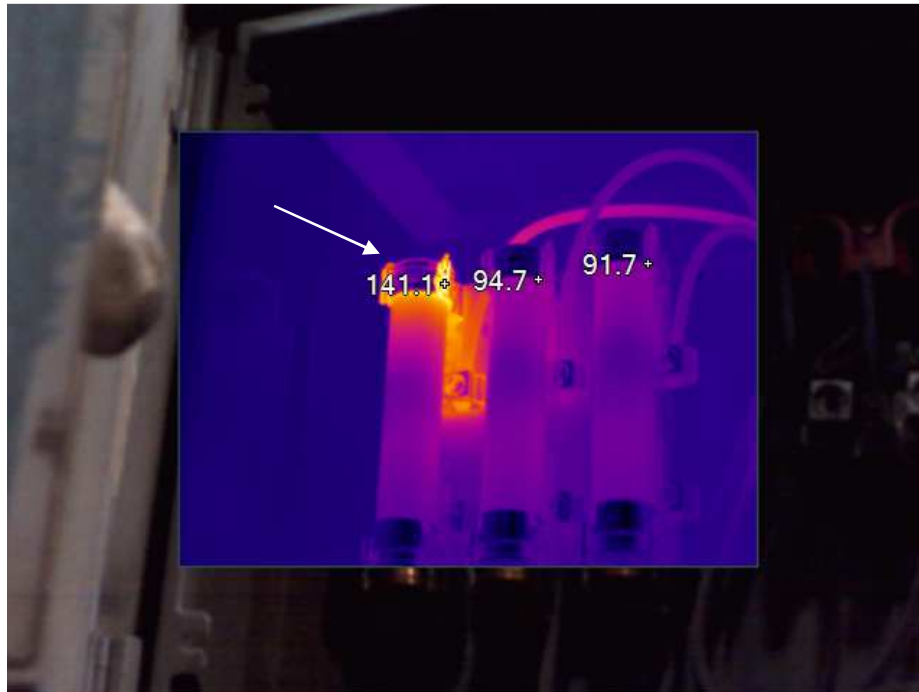
<i>Problem Found / Action Taken</i>	
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XYZ Corp  
Anywhere, USA

Inspection Date  
October 26, 2015

Inspected by Colby Britt

Inspection Date	10/26/2015 9:13:07AM	Location	DP1-9
Equipment	Banbury Dust Collector	Component:	Main Fuse "A" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F

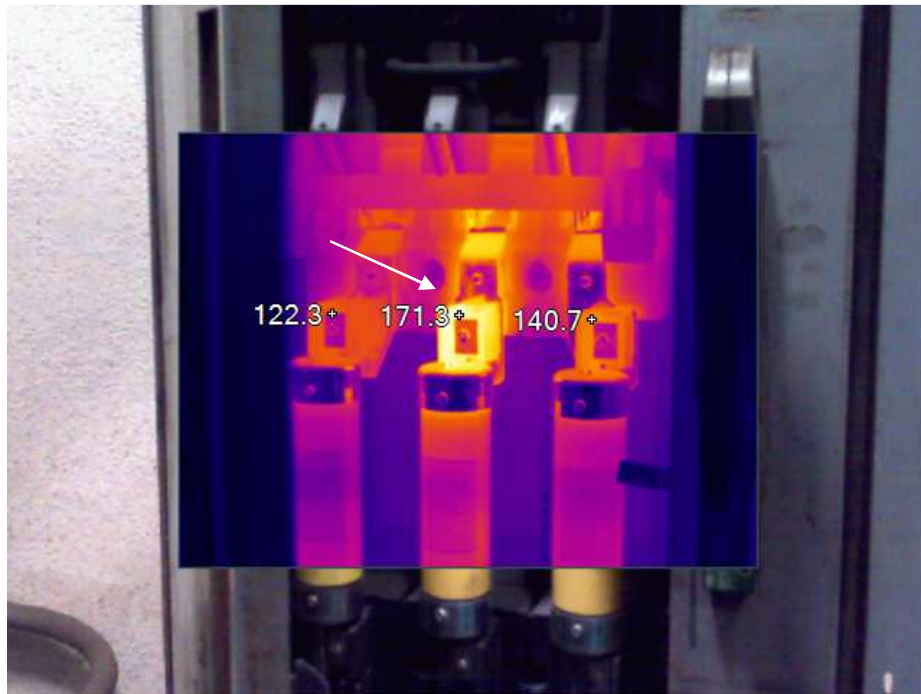


<b>Phase:</b> <b>A</b> B C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 49.4 F.	<b>Priority:</b> <b>MED-HIGH</b>
<b>Temperatures</b>	Phase A: 141.1 F	Phase: 94.7 F	Phase C: 91.7 F
Recommended Action:	Clean fuse holder and replace fuses. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 12:39:04PM	Location	DP8-3
Equipment	#1 Air Compressor	Component:	Main Fuse "B" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F

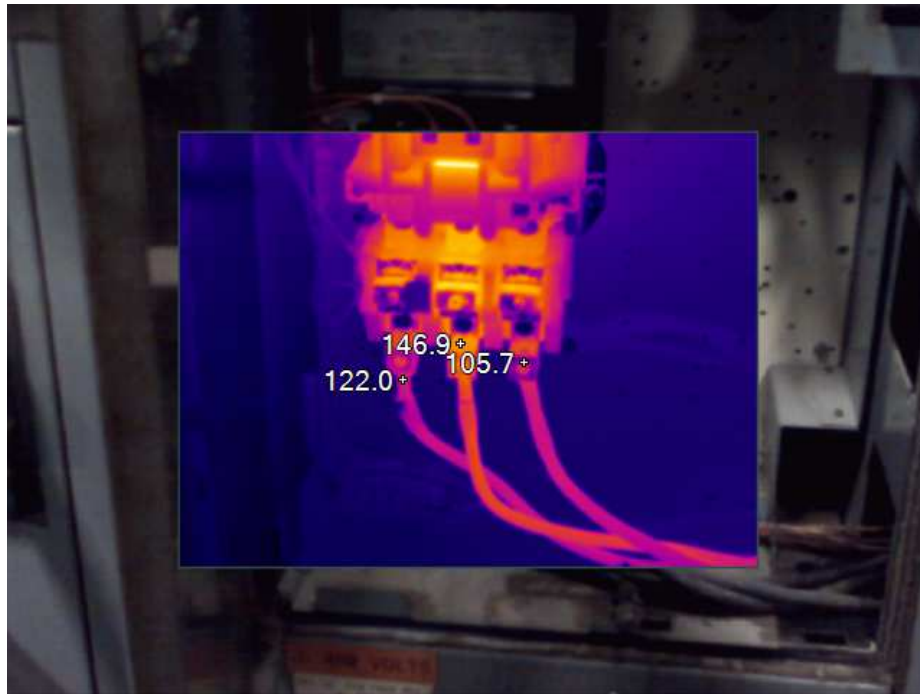


<b>Phase:</b> A <b>B</b> C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 49.0 F.	<b>Priority:</b> <b>MED-HIGH</b>
<b>Temperatures</b>	Phase A: 122.3 F	Phase B: 171.3 F	Phase C: 140.7 F
Recommended Action:	Clean fuse holder and replace fuses. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 12:42:52 AM	Location	DP9-9
Equipment	Process Water Pump	Component:	Starter "B" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A <b>B</b> C	Line Side <b>Load Side</b>	$\Delta$ Temperatures: 41.2 F.	<b>Priority: MED-HIGH</b>
<b>Temperatures</b>	Phase A: 122.0 F	Phase B: 149.6 F	Phase C: 105.7 F
<b>Recommended Action:</b>	Clean wire and lug thoroughly and re-tighten wire. Replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspection Date  
October 26, 2015

Inspected by Colby Britt

Inspection Date:	10/26/2015 9:36:13 AM	Location	DP10-13
Equipment	#5 Mill Front Roll Hyd Unit	Component:	Main Disconnect "C" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F

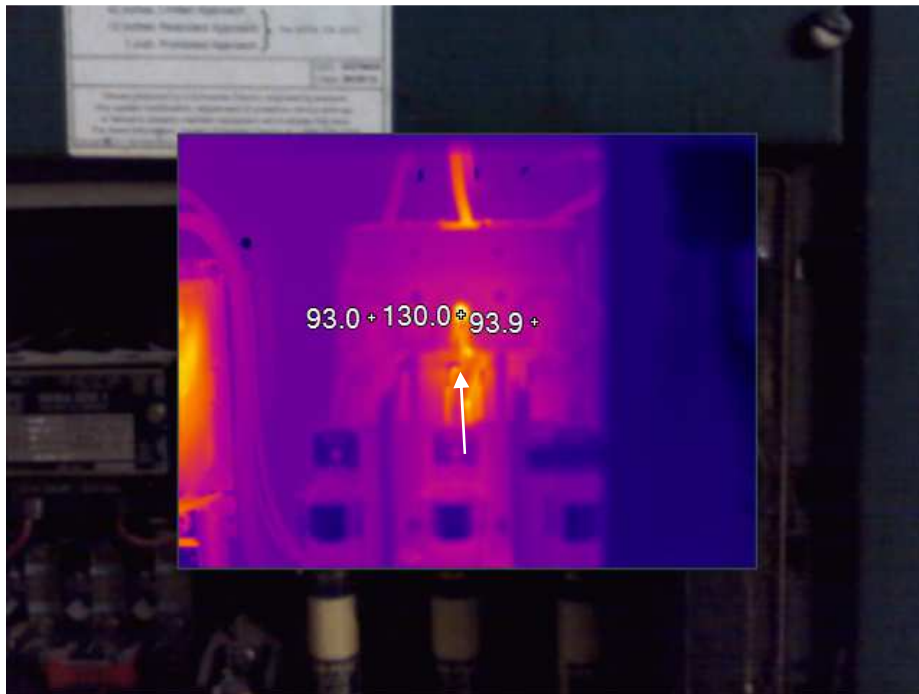


<b>Phase:</b> A B <b>C</b>	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 48.5 F.	<b>Priority: MED-HIGH</b>
<b>Temperatures</b>	Phase A: 126.7 F	Phase B: 129.5 F	Phase C: 175.2 F
<b>Recommended Action:</b>	Clean wire and lug thoroughly and re-tighten wire. Replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 10:35:01 AM	Location	DP2-20
Equipment	Press Hood East Exhaust Fan	Component:	Main Fuse "B" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F

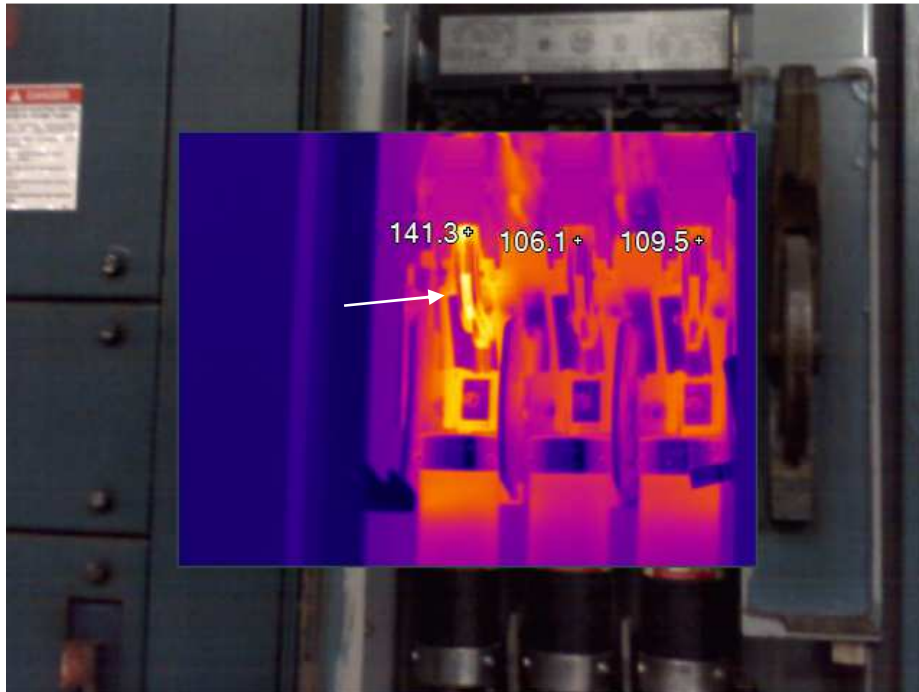


<b>Phase:</b> A <b>B</b> C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 37.0 F.	<b>Priority:</b> <b>MED-HIGH</b>
<b>Temperatures</b>	Phase A: 93.0 F	Phase B: 130.0 F	Phase C: 93.9 F
Recommended Action:	Clean fuse holder and replace fuses. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 11:33:49 AM	Location	DP 8-5
Equipment	Press #3	Component:	Main Fuse "A" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F

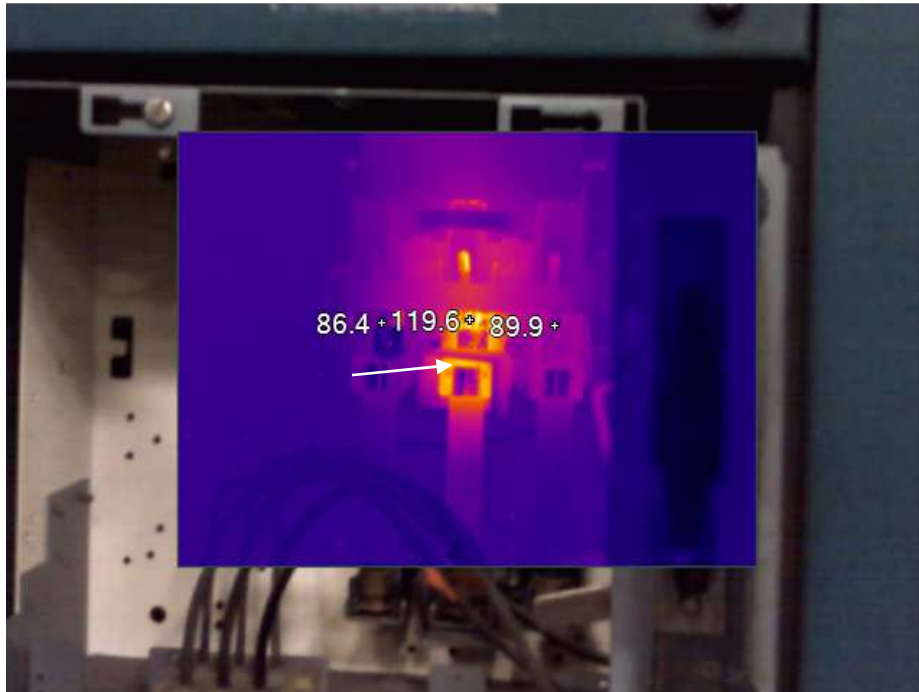


<b>Phase:</b> <b>A</b> B C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 35.2 F.	<b>Priority:</b> <b>Medium</b>
<b>Temperatures</b>	Phase A: 141.3 F	Phase B: 106.1 F	Phase C: 109.5 F
Recommended Action:	Clean fuse holder and replace fuses as needed.. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 11:37:00 AM	Location	DP8-3
Equipment	South Loader Robot	Component:	Main Fuse "B" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A <b>B</b> C	<b>Line Side</b> Load Side	△ Temperatures: 33.2 F.	<b>Priority:</b> <b>Medium</b>
<b>Temperatures</b>	Phase A: 86.4 F	Phase B: 119.6 F	Phase C: 89.9 F
Recommended Action:	Clean fuse holder and replace fuses as needed. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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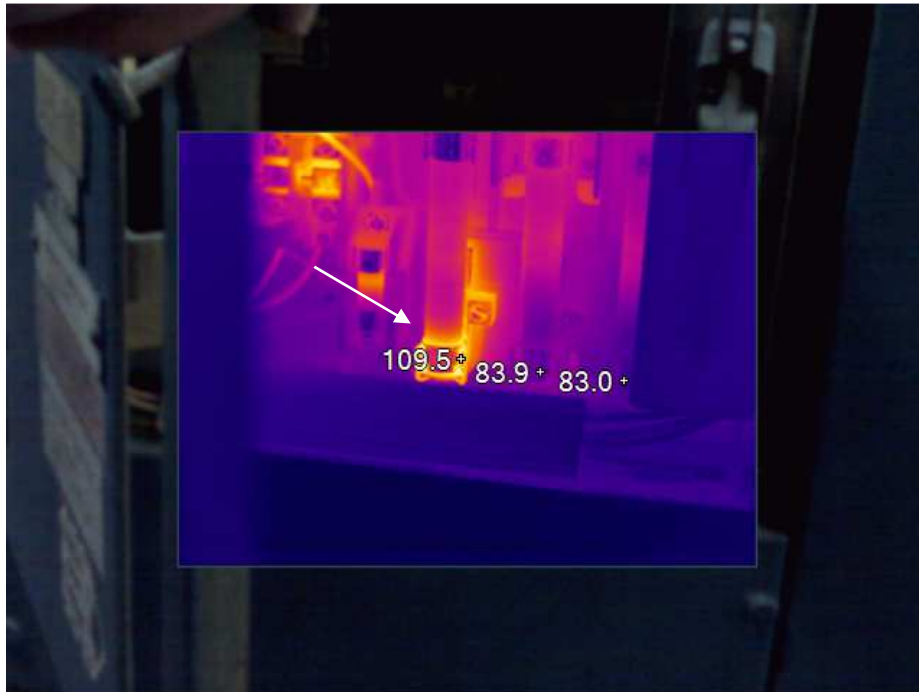


XYZ Corp  
Anywhere, USA

Inspection Date  
October 26, 2015

Inspected by Colby Britt

Inspection Date:	10/26/2015 9:18:01 AM	Location	DP1-14
Equipment	Banbury Pit Supply Fan	Component:	Main Fuse "A" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> <b>A</b> B C	Line Side <b>Load Side</b>	Δ Temperatures: 26.5 F.	<b>Priority: Medium</b>
<b>Temperatures</b>	Phase A: 109.5 F	Phase B: 83.9 F	Phase C: 83.0 F
Recommended Action:	Clean fuse holder and replace fuses as needed. Inspect wires for damage and replace as needed.		

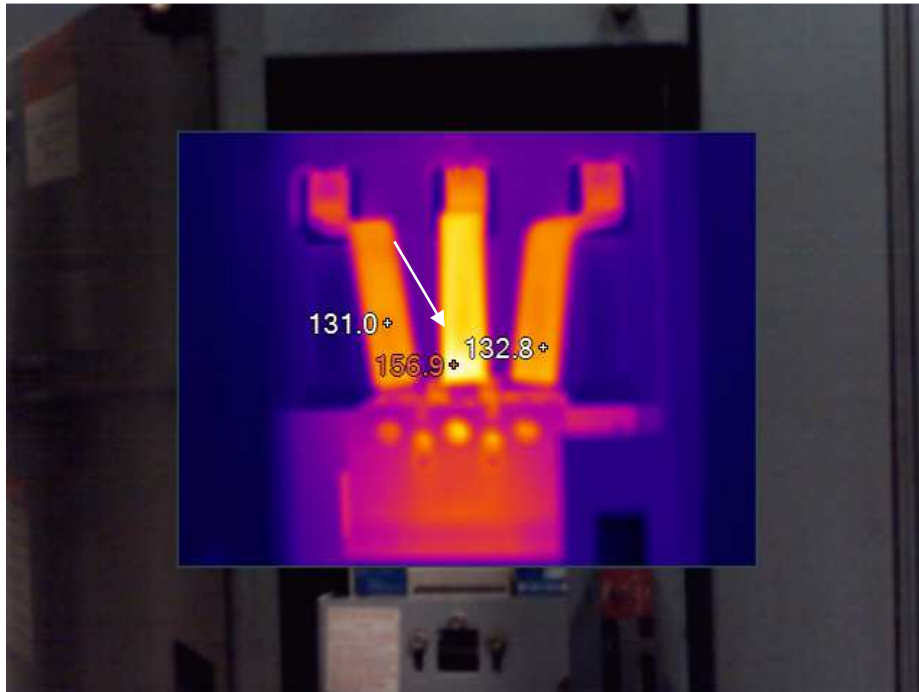
<i>Problem Found / Action Taken</i>	
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XYZ Corp  
Anywhere, USA

Inspection Date  
October 26, 2015

Inspected by Colby Britt

Inspection Date:	10/26/2015 12:46:28 AM	Location	DP11-3
Equipment	Trane Chiller	Component:	Main Disconnect "B" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A <b>B</b> C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 25.9 F	<b>Priority:</b> <b>Medium</b>
<b>Temperatures</b>	Phase A: 131.0 F	Phase B: 156.9 F	Phase C: 132.8 F
Recommended Action:	Clean wire and lug thoroughly and re-tighten wire. Replace as needed.		

<i>Problem Found / Action Taken</i>	
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***“Your Partners in Pro-Active Maintenance”***

Inspected by Colby Britt

Inspection Date:	10/26/2015 9:08:36 AM	Location	DP1
Equipment	Banbury Control Panel	Component:	Main Disconnect "A" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> <b>A</b> B C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 23.4 F	<b>Priority:</b> <b>Medium</b>
<b>Temperatures</b>	Phase A: 165.5 F	Phase B: 142.1 F	Phase C: 150.6 F
Recommended Action:	Clean wire and lug thoroughly and re-tighten wire. Replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 10:33:00 AM	Location	DP2-18
Equipment	Hood West Exhaust Fan	Component:	Main Starter "C" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A B <b>C</b>	Line Side <b>Load Side</b>	$\Delta$ Temperatures: 19.4 F	<b>Priority:</b> <b>Medium</b>
<b>Temperatures</b>	Phase A: 91.5 F	Phase B: 93.6 F	Phase C: 110.9 F
Recommended Action:	Clean wire and lug thoroughly and re-tighten wire. Replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 11:18:04 AM	Location	DP6A-23
Equipment	Buffer #2	Component:	Main Fuse "A and B" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A B C	<b>Line Side</b> Load Side	$\Delta$ Temperatures: 17.6 F	<b>Priority: Low</b>
<b>Temperatures</b>	Phase A: 91.5 F	Phase B: 93.6 F	Phase C: 110.9 F
Recommended Action:	Clean fuse holder and replace fuses as needed. Inspect wires for damage and replace as needed.		

<i>Problem Found / Action Taken</i>	
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Inspected by Colby Britt

Inspection Date:	10/26/2015 12:46:37 PM	Location	DP11-3
Equipment	Trane Chiller	Component:	Main Disconnect "B and C" Phase
Emissivity:	0.98	Reflected Temperature:	70.0 °F



<b>Phase:</b> A <b>B</b> C	Line Side <b>Load Side</b>	$\Delta$ Temperatures: 12.4 F	<b>Priority: Low</b>
<b>Temperatures</b>	Phase A: 110.6 F	Phase B: 121.0 F	Phase C: 123.0 F
Recommended Action:	Clean wire and lug thoroughly and re-tighten wire. Replace as needed.		

<i>Problem Found / Action Taken</i>	
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