




**USG
Greenville, MS
December 2023
Infrared Survey Report**



All electrical panels were scanned using a  **FLIR** T865 infrared camera. The following report only contains defects that were found during the survey. Below is our classification system for each defect included in this report. If there are any questions or comments, please feel free to contact us at any time.



employs a three-tier defect rating system:

CLASS I: A defect or defects are present that are likely to cause a problem in the long term (2-6 months). Should be addressed in the normal course of maintenance scheduling.

CLASS II: A defect or defects are present that are likely to cause a failure in the short term (less than 2 months). Should be addressed as soon as practical, on a high maintenance priority. Consideration should be given to increase monitoring frequency.

CLASS III: A defect or defects are present that make continued component reliability unpredictable and likelihood of secondary damage is high. Consideration should be given to an unscheduled shutdown to correct.



tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

Component

RECHECK

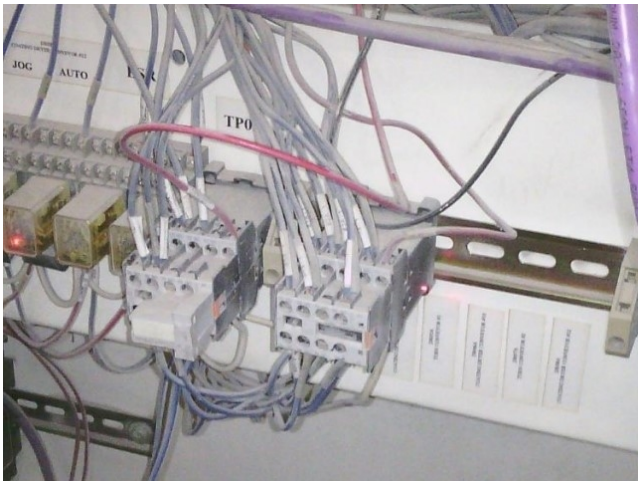
Equipment/Bucket ID

VFD FN4



Measurements

Sp2	112.9 °F
Sp1	115.2 °F



Fault

None

Defect Rating

None

Recommendations

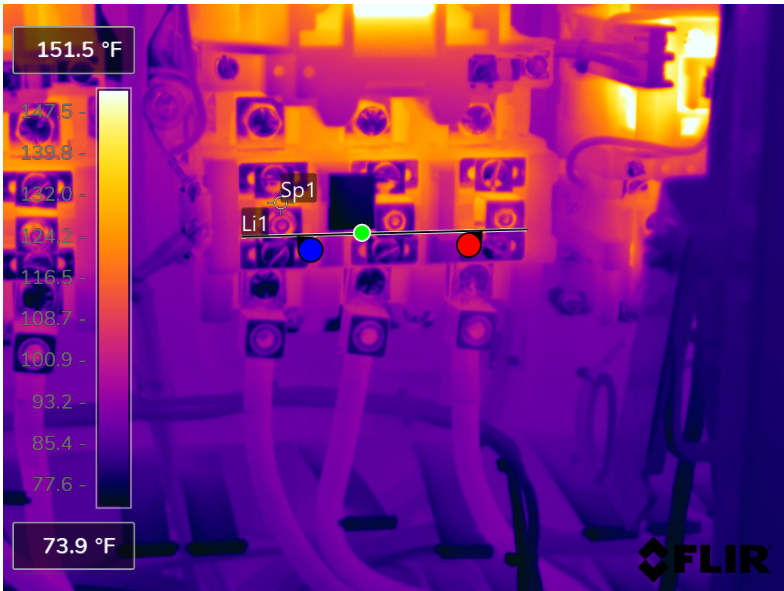
This is a recheck. IR image shows this to be normal. No further action is needed at this time.

Component

Recheck A Phase lead connection

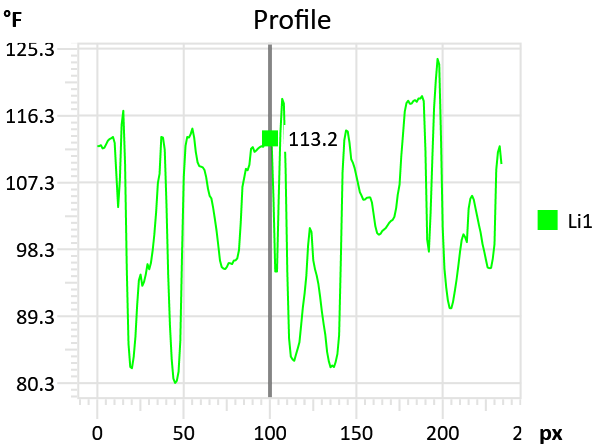
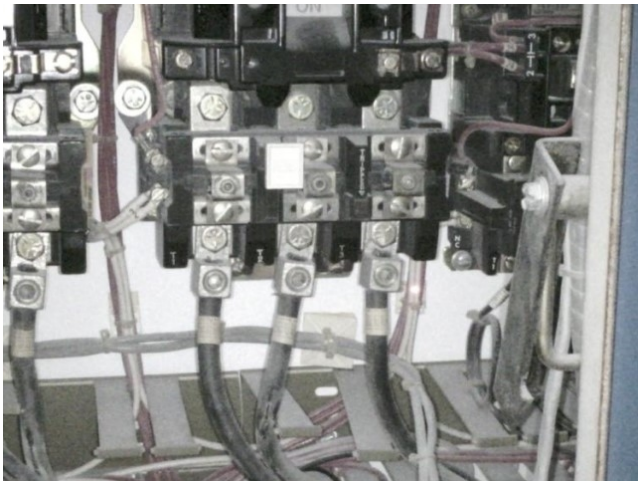
Equipment/Bucket ID

#2 Wisconsin Oven



Measurements

Li1	
Max	123.9 °F
Avg	102.5 °F
Min	80.4 °F
Sp1	126.5 °F



Fault

None

Defect Rating

None

Recommendations

Recheck image shows no issues present.

Component

Recheck Breaker 107FU A phase connection

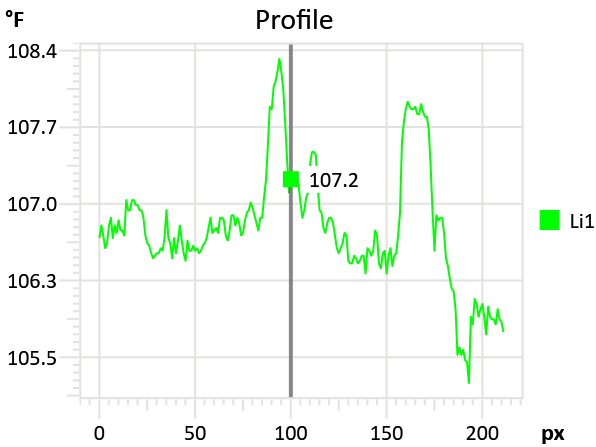
Equipment/Bucket ID

#1 Wisconsin Oven



Measurements

Sp2	107.9 °F
Sp3	107.1 °F
Li1	
Max	108.3 °F
Avg	106.7 °F
Min	105.3 °F
Sp1	106.7 °F



Fault

None

Defect Rating

None

Recommendations

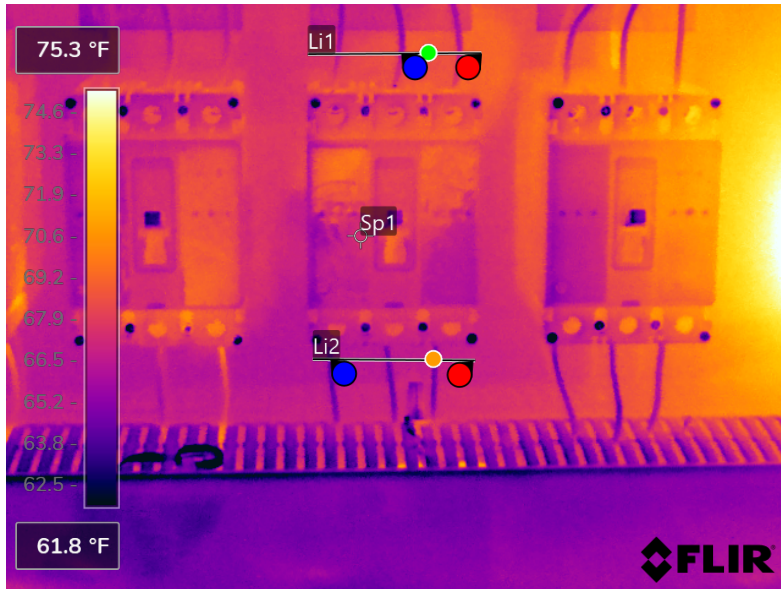
Recheck image shows issue to be resolved. No issue to report.

Component

RECHECK A phase connection

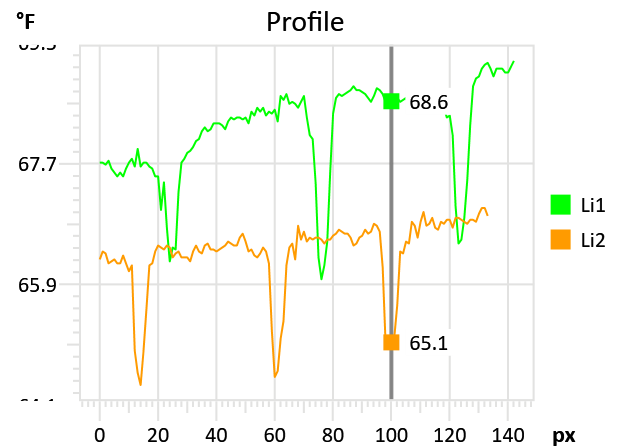
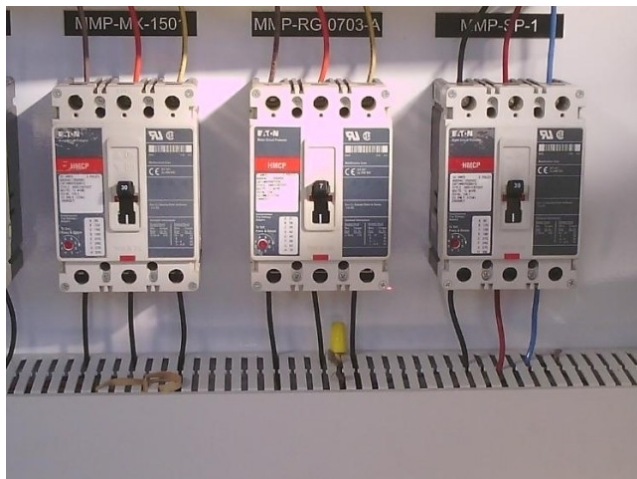
Equipment/Bucket ID

World Water Works DAF Control Panel MMP-RG-0703



Measurements

Li1	
Max	69.3 °F
Avg	68.2 °F
Min	66.0 °F
Li2	
Max	67.1 °F
Avg	66.4 °F
Min	64.4 °F
Sp1	67.3 °F



Fault

None

Defect Rating

None

Recommendations

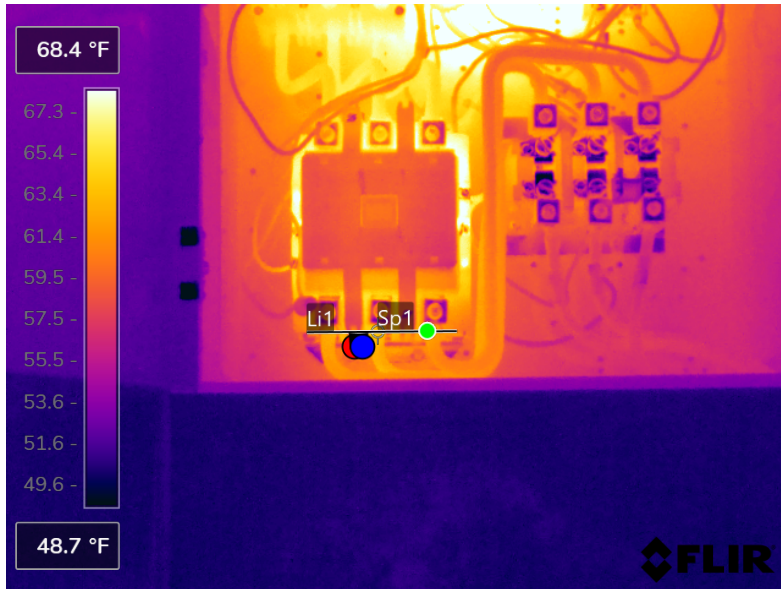
IR recheck shows no issues.

Component

RECHECK

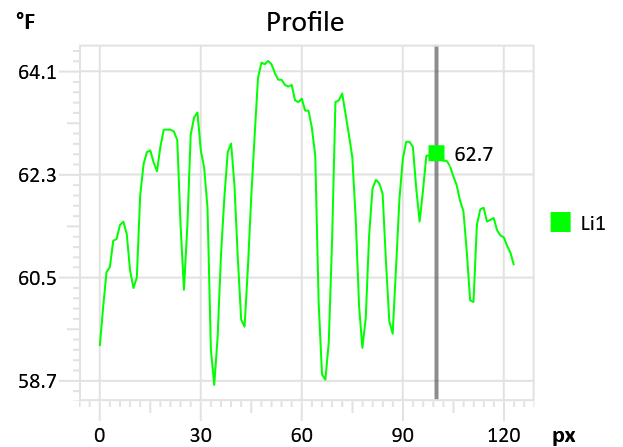
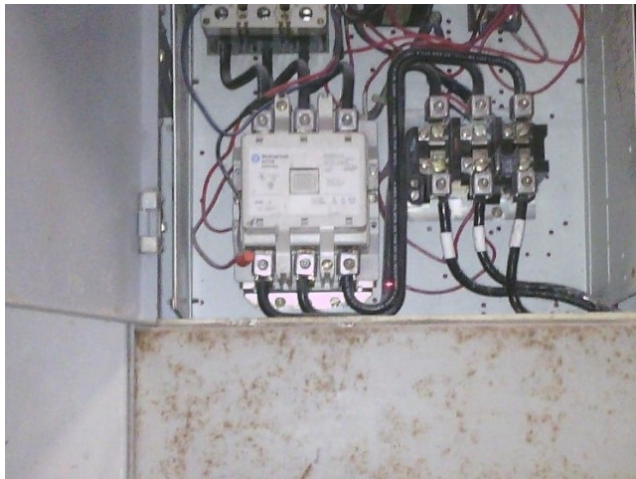
Equipment/Bucket ID

MCC 1CB2 Hydrapulper Ultra Sorter Screen



Measurements

Li1	
Max	64.3 °F
Avg	61.9 °F
Min	58.7 °F
Sp1	63.7 °F



Fault

None

Defect Rating

None

Recommendations

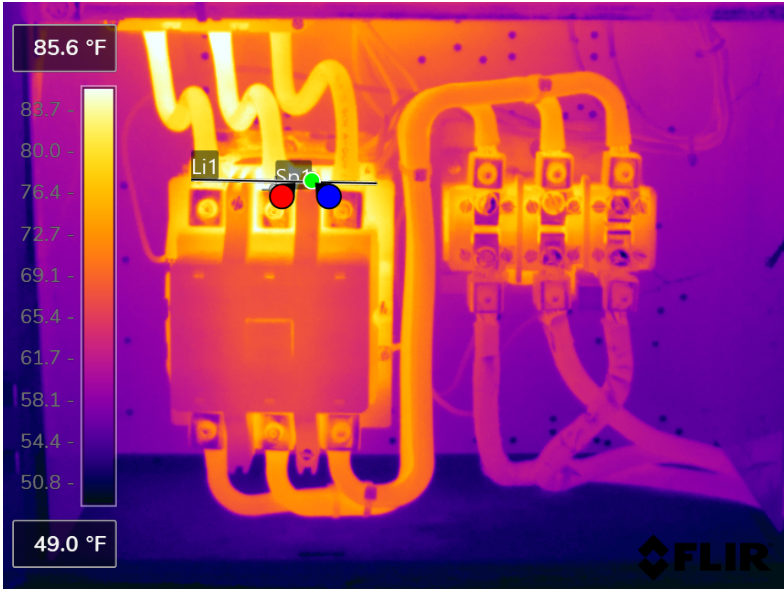
IR recheck shows no issues found.

Component

Recheck

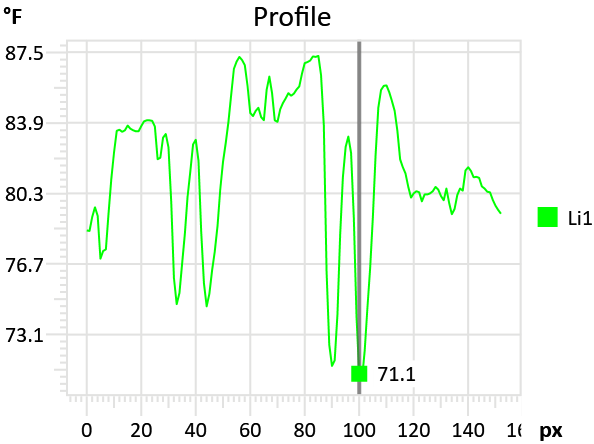
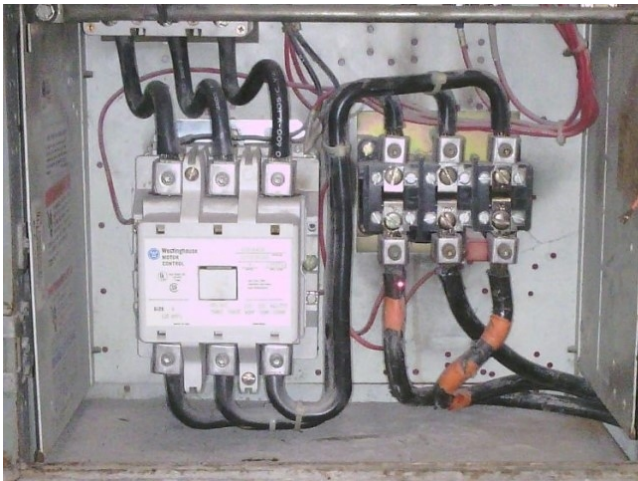
Equipment/Bucket ID

MCC 1CB2 Pressure Screen



Measurements

Li1	
Max	87.3 °F
Avg	81.5 °F
Min	70.8 °F
Sp1	82.0 °F



Fault

None

Defect Rating

None

Recommendations

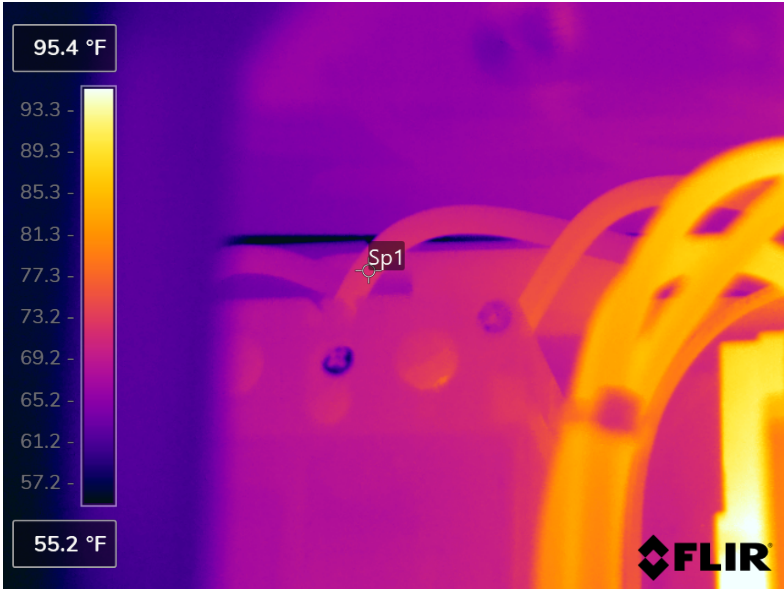
Recheck shows no issues.

Component

RECHECK

Equipment/Bucket ID

MCC 10C1 M2202 8 exp comb blower



Measurements

Sp1	72.6 °F
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Fault

None

Defect Rating

None

Recommendations

Recheck image shows no issues.

Component

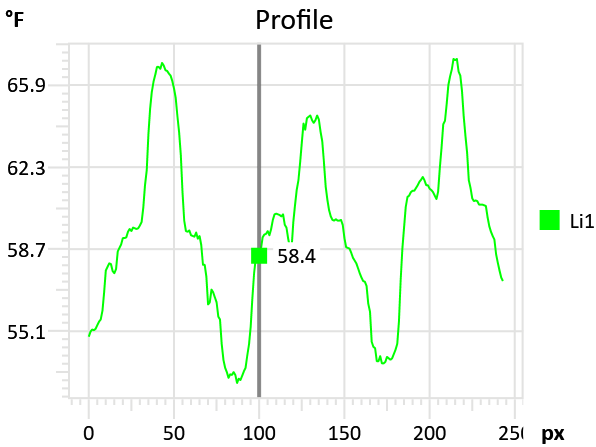
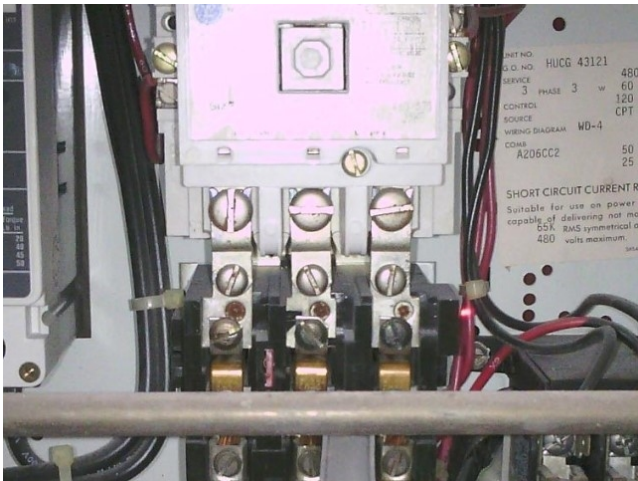
Equipment/Bucket ID

MCC 10A1 M0168 Perlite Exp Exh Fan 1



Measurements

Li1	
Max	67.1 °F
Avg	59.7 °F
Min	52.9 °F
Sp1	62.9 °F



Fault

None

Defect Rating

None

Recommendations

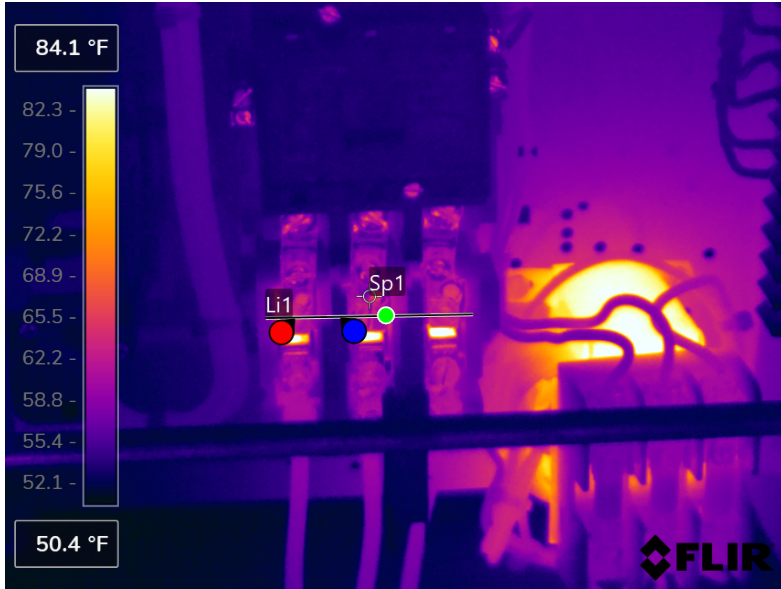
IR recheck shows no issues found.

Component

RECHECK Thermal Heaters

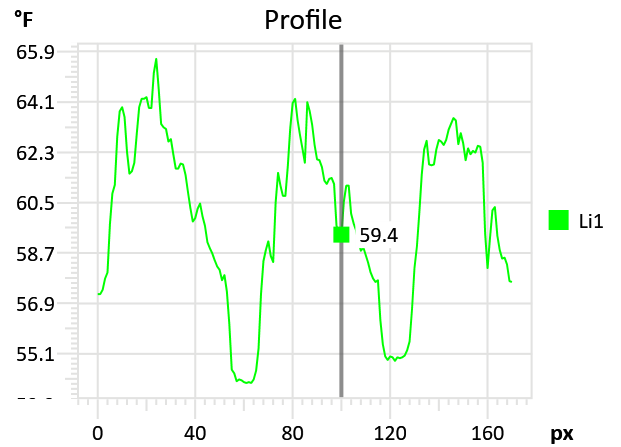
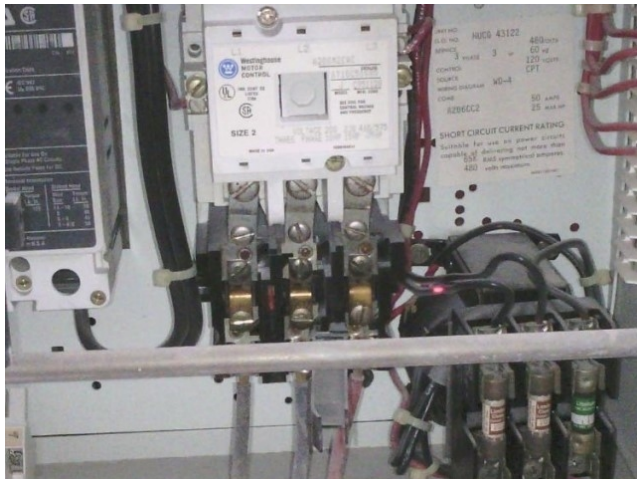
Equipment/Bucket ID

MCC10A1 M0174 Perlite Exp Exh Fan 2



Measurements

Li1	
Max	65.7 °F
Avg	60.1 °F
Min	54.1 °F
Sp1	62.8 °F



Fault

None

Defect Rating

None

Recommendations

IR recheck image shows no issues found.



Summary

File name	Created	Maximum temp.	Page number
FLIR0569.jpg	12/31/1999 6:23:14 PM	141.1 °F	3
FLIR0571.jpg	12/31/1999 6:28:03 PM	188.7 °F	4
FLIR0573.jpg	12/31/1999 6:31:46 PM	112.8 °F	5
FLIR0575.jpg	12/31/1999 6:37:47 PM	76.4 °F	6
FLIR0577.jpg	12/31/1999 6:44:00 PM	91.0 °F	7
FLIR0579.jpg	12/31/1999 6:46:11 PM	87.6 °F	8
FLIR0581.jpg	12/31/1999 6:53:09 PM	117.1 °F	9
FLIR0583.jpg	12/31/1999 6:57:21 PM	112.7 °F	10
FLIR0585.jpg	12/31/1999 6:59:17 PM	103.8 °F	11



This concludes our survey report. Please feel free to contact us at any time for question or comments.

Thank you for your business,

Kerion W. Maxwell



ITC Certified Level II Infrared
Thermographer

(901) 486-4565

kwilliam@gohispeed.com