



USG Greenville, MS
May 2024
Infrared Survey Report



Monthly scheduled 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.



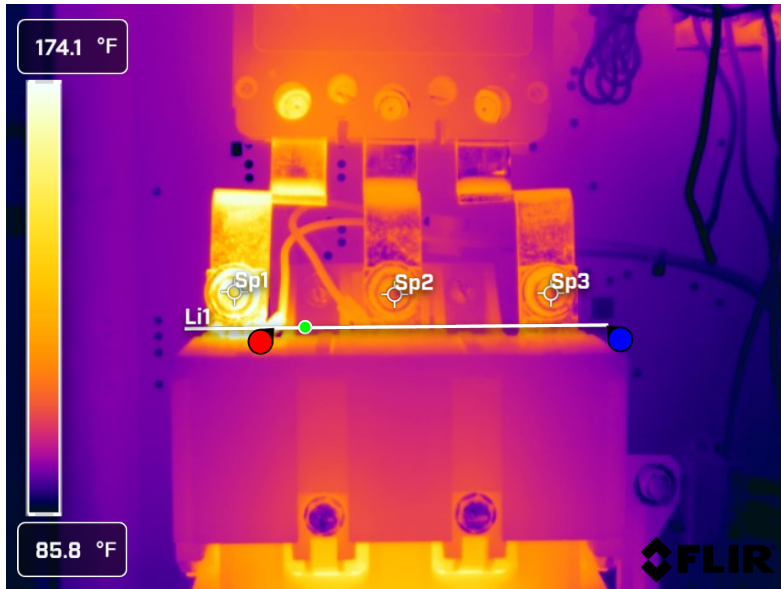
tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed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

Component

Buss/Lead Connection

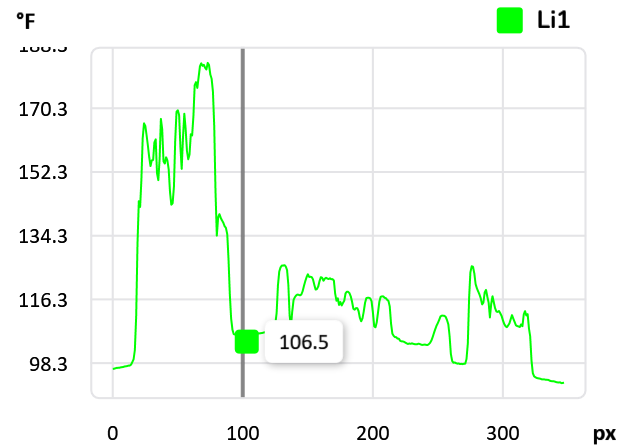
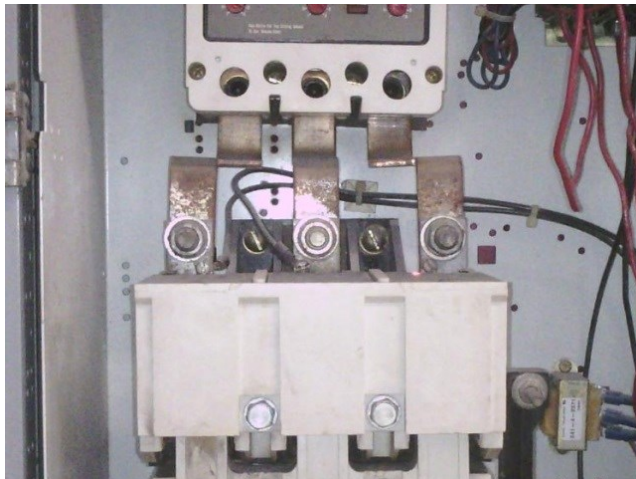
Equipment/Bucket ID

MCC-10B1 M2248 Expander 7 DC Fan



Measurements

Li1	
Max	183.2 °F
Avg	119.4 °F
Min	92.7 °F
Sp1	158.7 °F
Sp2	108.2 °F
Sp3	111.5 °F



Fault

Faulty Connection

Defect Rating

CLASS II

Recommendations

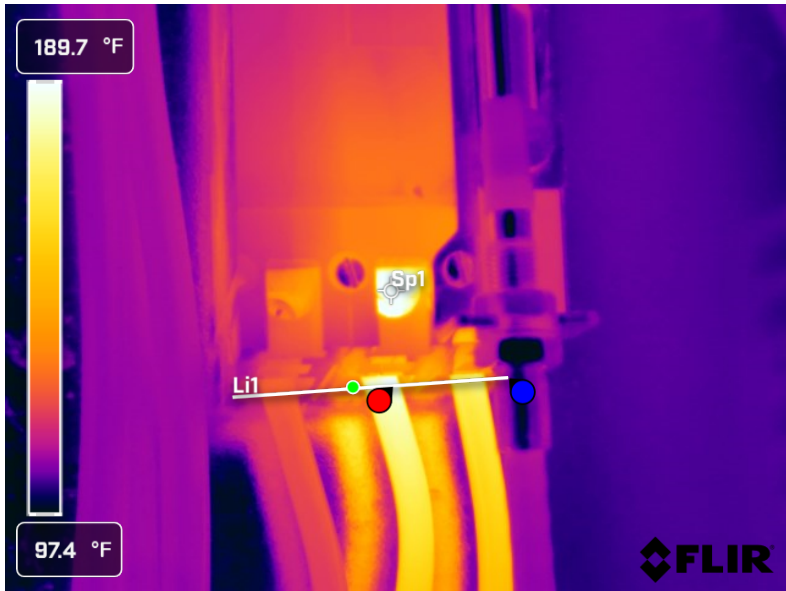
The A phase connection has an issue. It may be the small lead wire that has the connection issue but may also be the copper buss jumper connection. Check connections ensuring a clean and tight connection.

Component

Breaker

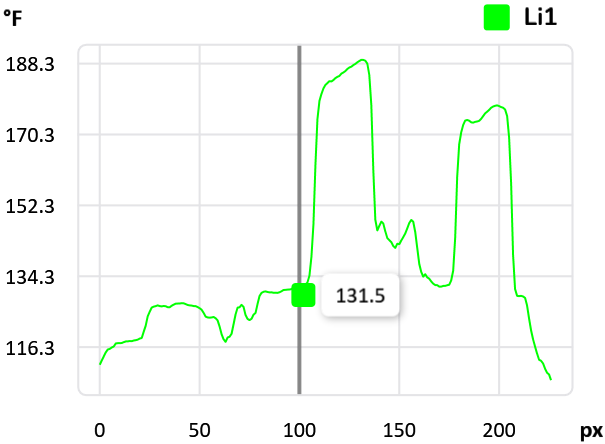
Equipment/Bucket ID

Machine Chest Pump 3A



Measurements

Li1	
Max	189.3 °F
Avg	141.1 °F
Min	108.0 °F
Sp1	206.2 °F



Fault

Breaker connections

Defect Rating

CLASS II

Recommendations

This is a recheck and still shows an issue. This is likely an internal breaker issue. Inpsect and replace breaker if needed.



Summary

File name	Created	Maximum temp.	Page number
FLIR0747.jpg	5/31/2024 9:50:05 AM	185.4 °F	3
FLIR0749.jpg	5/31/2024 10:00:52 AM	213.8 °F	4



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

Thank you for your business,

Kevin W. Maxwell



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Thermographer

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