




USG Greenville, MS
June 2025 Infrared Survey Report



Scheduled rechecks after repairs were scanned on June 19th, 2025 using a  **FLIR** T865 infrared camera. The following report only contains defects IR images from 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.



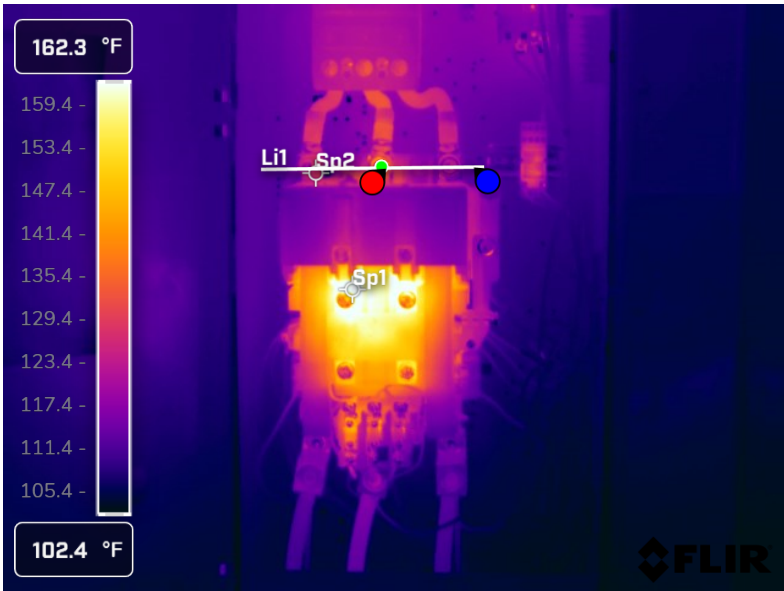
tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed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

Component

Recheck GOOD

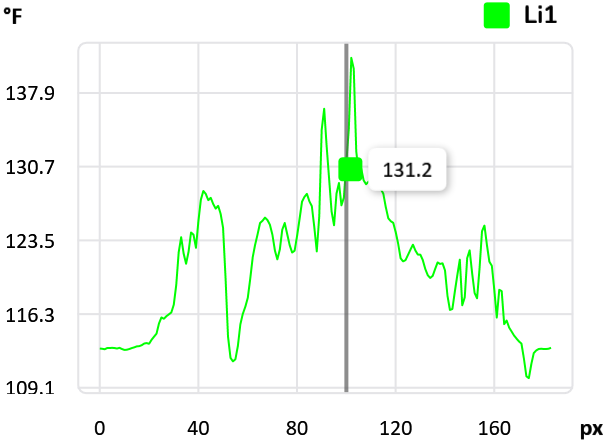
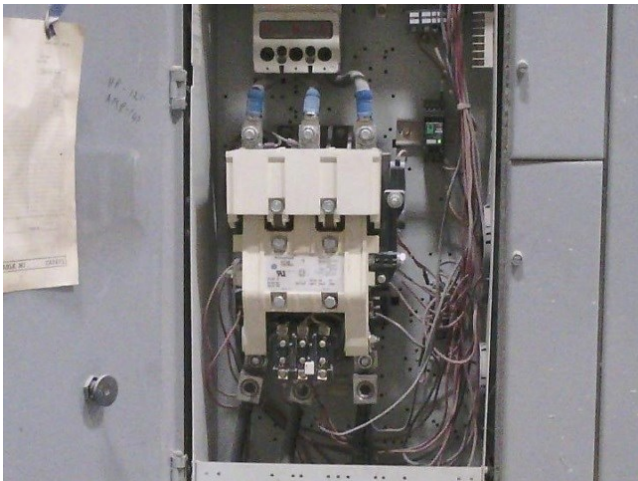
Equipment/Bucket ID

West Zone Combustion Blower MCC 7E1 Kiln M5936



Measurements

Li1	
Max	141.4 °F
Avg	121.0 °F
Min	110.1 °F
Sp1	169.5 °F
Sp2	128.5 °F



Fault

none

Defect Rating

N/A

Recommendations

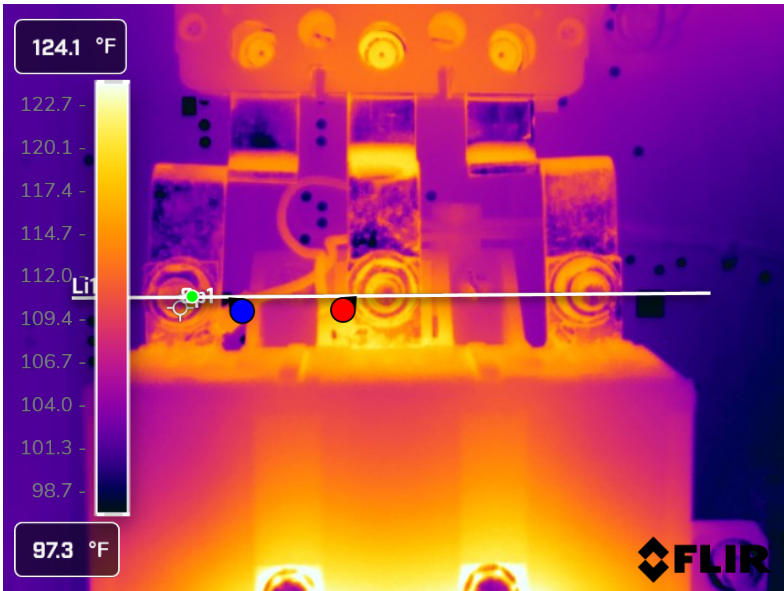
IR image shows no issues to be present at this time.

Component

Recheck GOOD

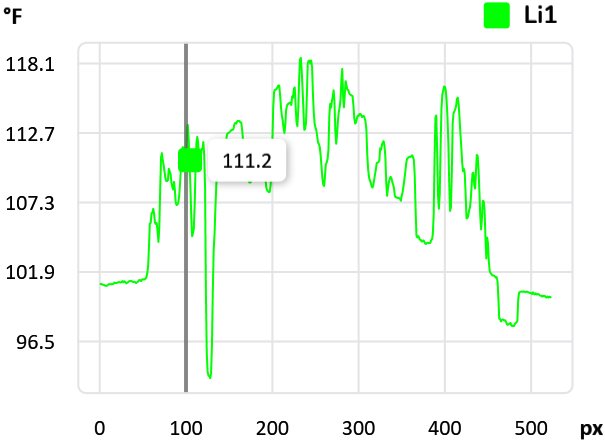
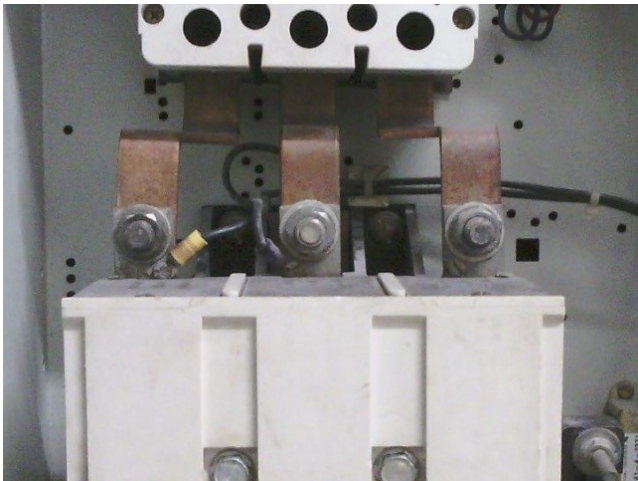
Equipment/Bucket ID

Perlite Dust Collector Exp 7 M2248



Measurements

Li1	
Max	118.6 °F
Avg	108.0 °F
Min	93.7 °F
Sp1	108.9 °F



Fault

none

Defect Rating

N/A

Recommendations

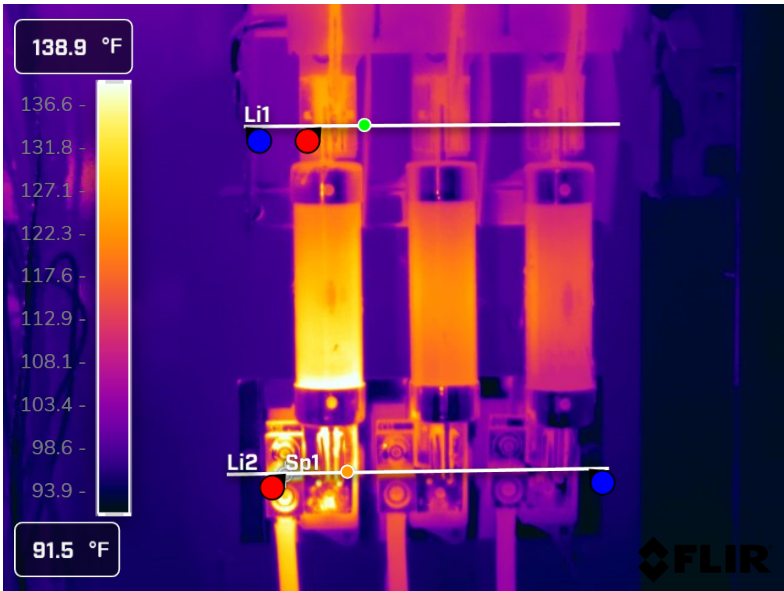
IR image shows no issues to report at this time.

Component

A phase fuse connections

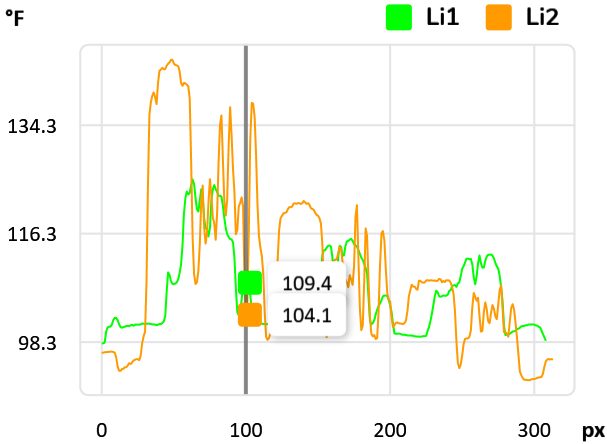
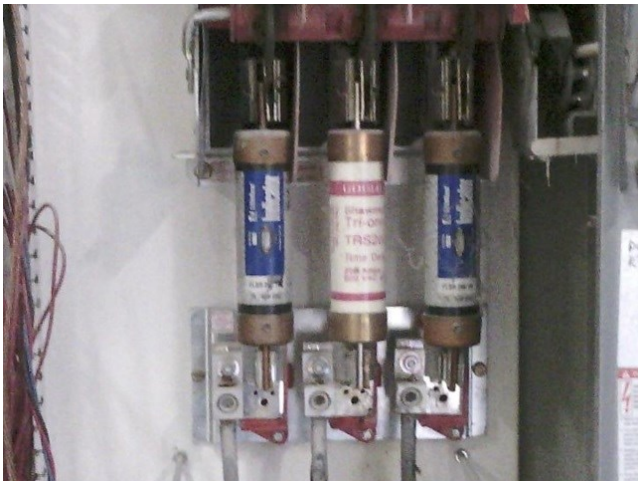
Equipment/Bucket ID

Old Line Fiberglass Dust Collector Panel



Measurements

Li1	
Max	125.3 °F
Avg	106.8 °F
Min	98.1 °F
Li2	
Max	145.2 °F
Avg	110.9 °F
Min	92.0 °F
Sp1	145.2 °F



Fault

connection issues

Defect Rating

CLASS I

Recommendations

IR image shows some delta-T on A phase fuse connections. Inspect fuse components for wear and ensure all connections are clean and tight.



Summary

File name	Created	Maximum temp.	Page number
FLIR4063.jpg	4/29/2021 1:23:32 AM	173.4 °F	3
FLIR4064.jpg	4/29/2021 1:33:17 AM	126.9 °F	4
FLIR4065.jpg	4/29/2021 1:48:17 AM	168.6 °F	5



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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