



USG
Greenville, MS
July 2025 Infrared Survey Report



On July 23, 2025, several 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.



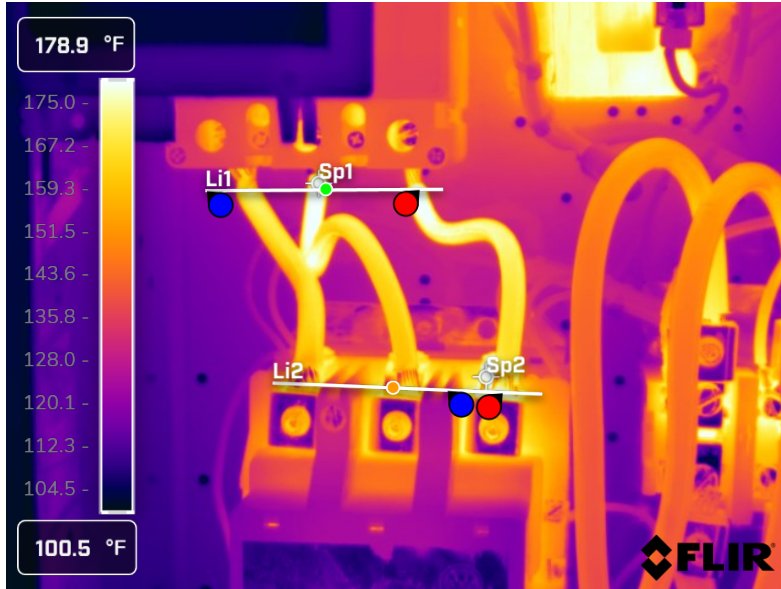
tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed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

Component

Lead wires

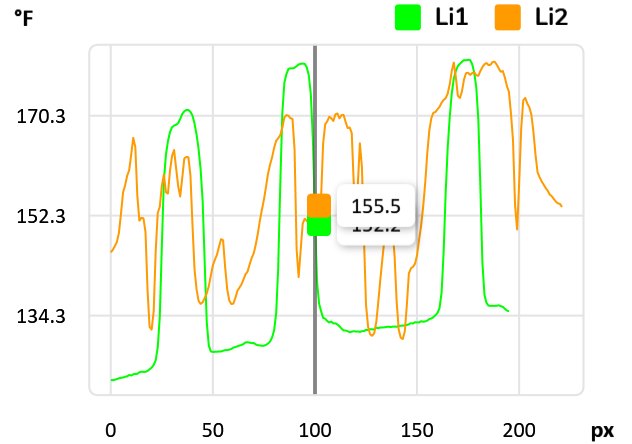
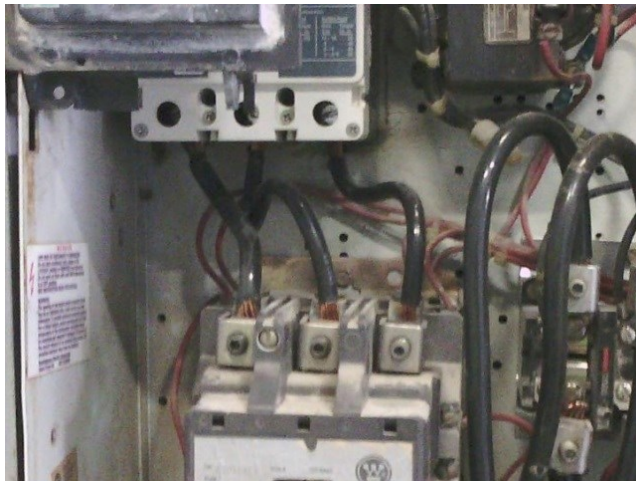
Equipment/Bucket ID

MCC 2C2 White Water Loop #1 Pump



Measurements

Li1	
Max	180.4 °F
Avg	142.8 °F
Min	122.7 °F
Li2	
Max	180.1 °F
Avg	157.1 °F
Min	130.1 °F
Sp1	179.2 °F
Sp2	180.8 °F



Fault

heavy loaded leads

Defect Rating

CLASS I

Recommendations

The size of the jumper leads going from breaker to contactor may need to be increased. There appears to be some elevated heat on these lead wires. It is recommended to increase wire size and ensure all lead connections are clean and tight.



Summary

File name	Created	Maximum temp.	Page number
FLIR4067.jpg	3/23/2021 3:38:57 AM	182.8 °F	3



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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