

Infrared Thermography Report

USG Greenville, MS

February 2021

All electrical panels were scanned using a  P60 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.

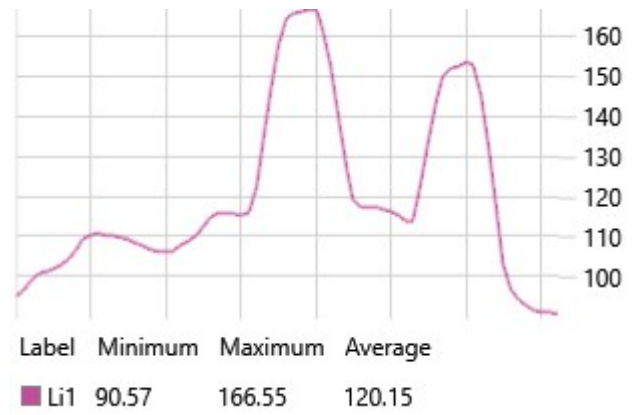
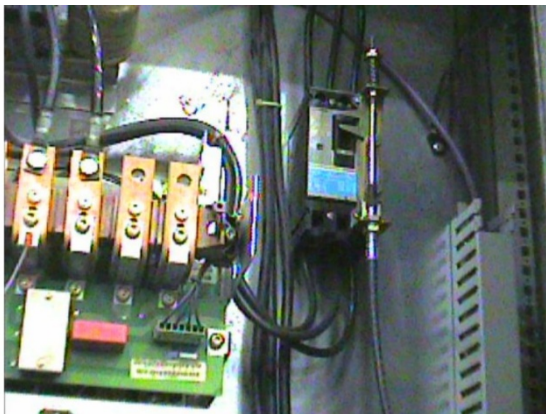
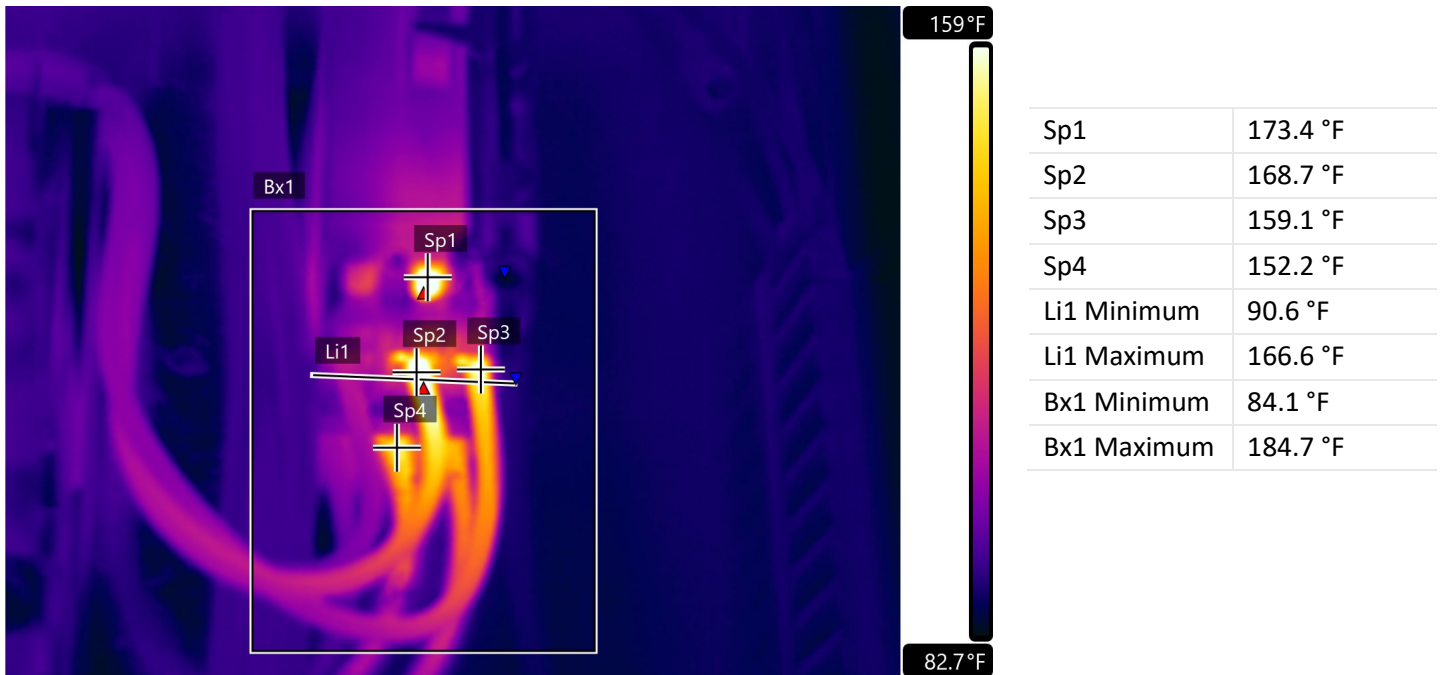
CLASS II: A defect or defects are present that are likely to cause a failure in the short term (less than 2 months). Should be addressed as soon as practical, on a high maintenance priority. Consideration should be given to increase monitoring frequency.

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.

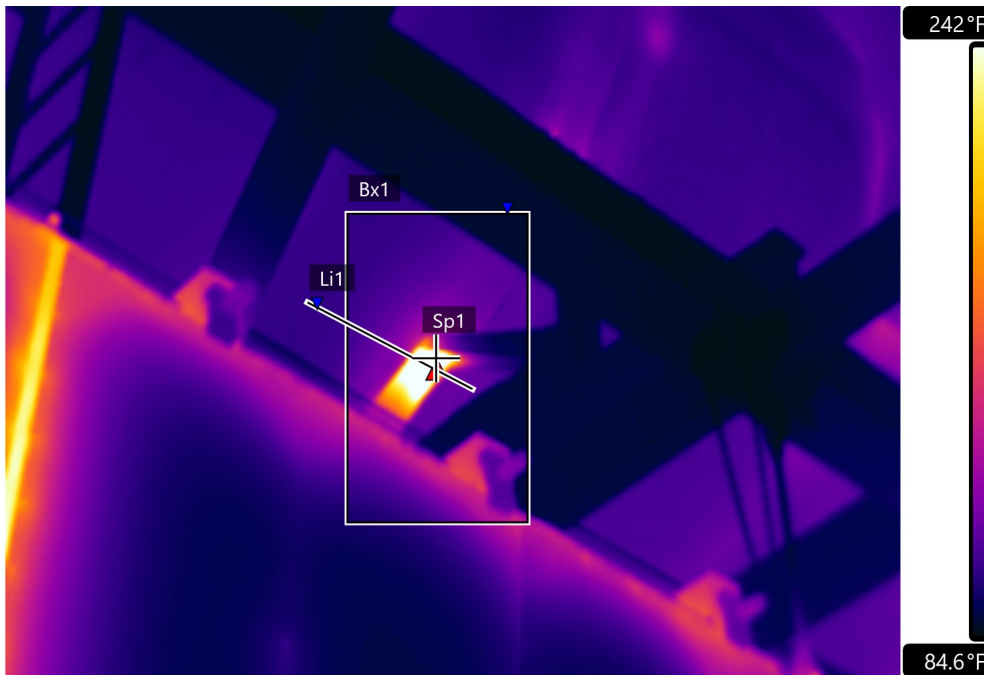
Component	Lead/Lug Connection
Equipment/Bucket ID	MCC-7C1 VFD-HTA Main Power (Board Line Area)



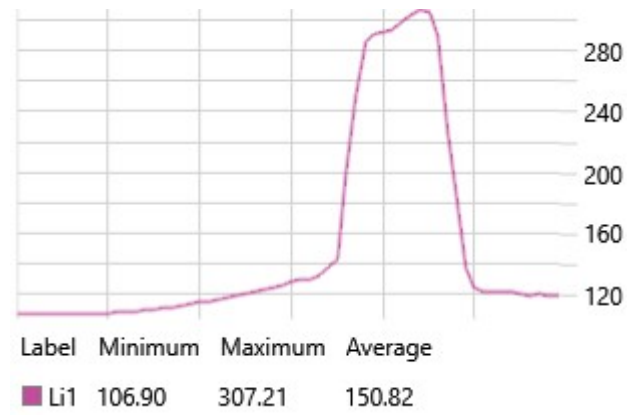
Fault	Load Imbalance/Loose Connections
Defect Rating	CLASS I

Recommendations
IR image suggests a possible load imbalance and/or loose connections. Inspect connections and measure current on each phase.

Component	Kiln Ducting
Equipment/Bucket ID	Board Line Kiln just above door 10 on right side of Kiln.



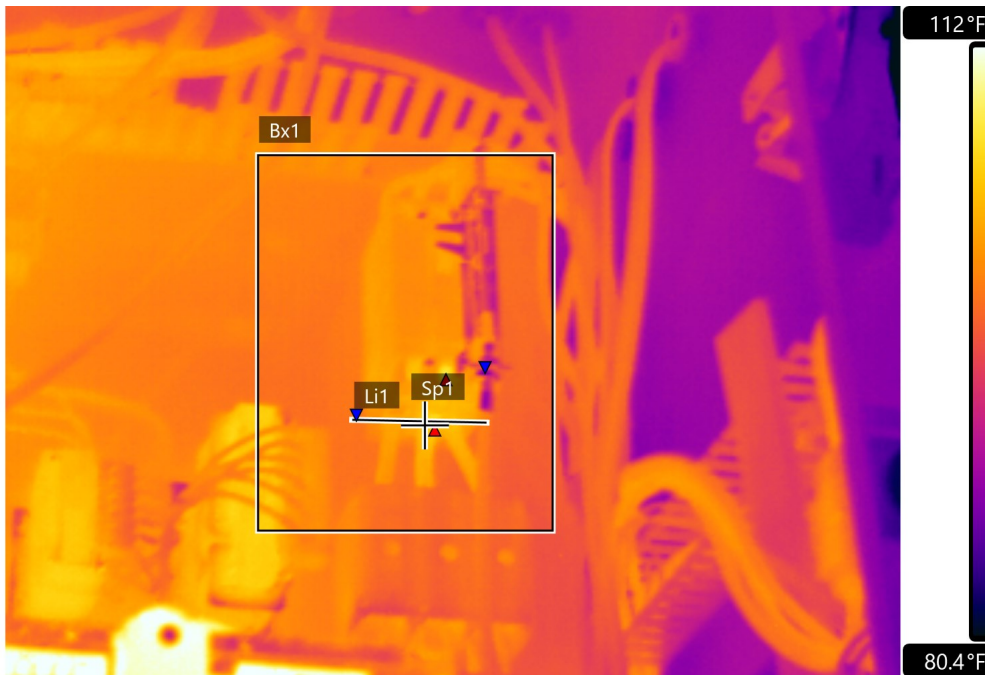
Sp1	318.5 °F
Li1 Minimum	106.9 °F
Li1 Maximum	307.2 °F
Bx1 Minimum	88.6 °F
Bx1 Maximum	318.5 °F



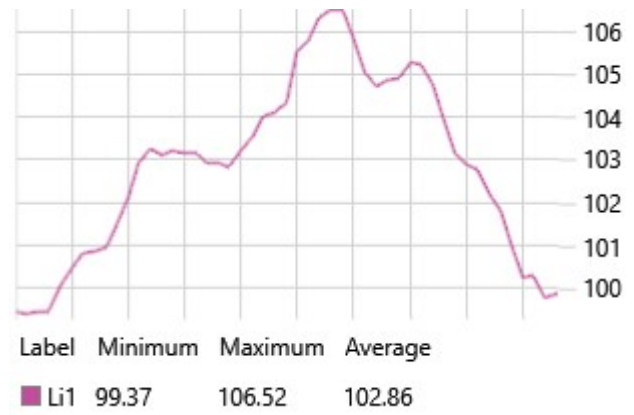
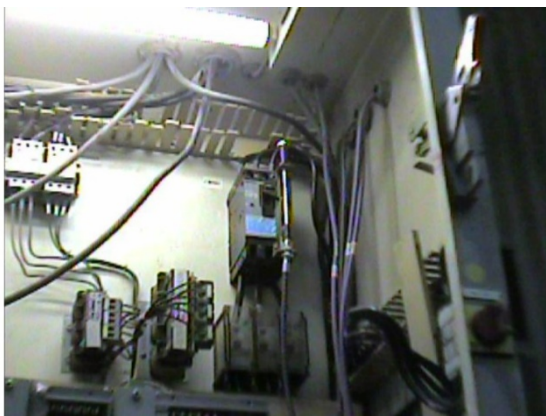
Fault	Missing or damaged insulation
Defect Rating	CLASS II

Recommendations	While performing the electrical IR survey, we decided to scan the kiln. We noticed an extreme amount of heat in the ducting above the kiln. It appears that there is missing or damaged insulation at this area. We recommend inspecting this area during the next down time.
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Component	Breaker/Connections
Equipment/Bucket ID	Kiln Jack VFD Panel



Sp1	105.8 °F
Li1 Minimum	99.4 °F
Li1 Maximum	106.5 °F
Bx1 Minimum	87.5 °F
Bx1 Maximum	108.7 °F



Fault	None
Defect Rating	None

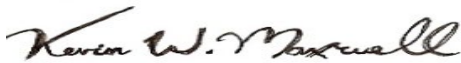
Recommendations	This is a recheck after repairs. Issue resolved.
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Summary

Image Date&Time	Page number
2/8/2021 12:40:19 PM	3
2/9/2021 8:16:35 AM	4
2/9/2021 8:24:29 AM	5

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

Thank you for your business,



ITC Certified Level II Infrared Thermographer

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