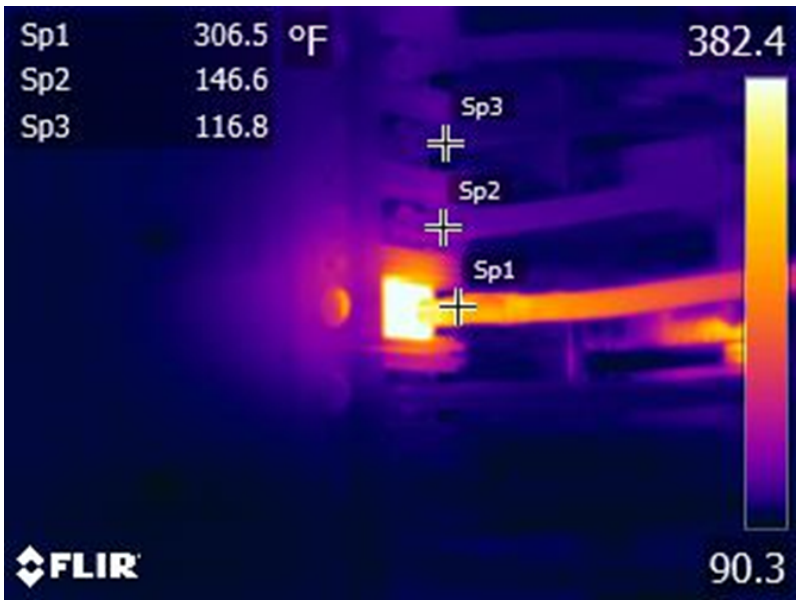


NuVasive
Memphis, TN
March 2025 Infrared Survey Report

On March 13, 2025, all electrical breaker panels, transformers, disconnects in the entire facility along with the main switch distribution panels outside 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.

HI-SPEED INDUSTRIAL SERVICE 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.

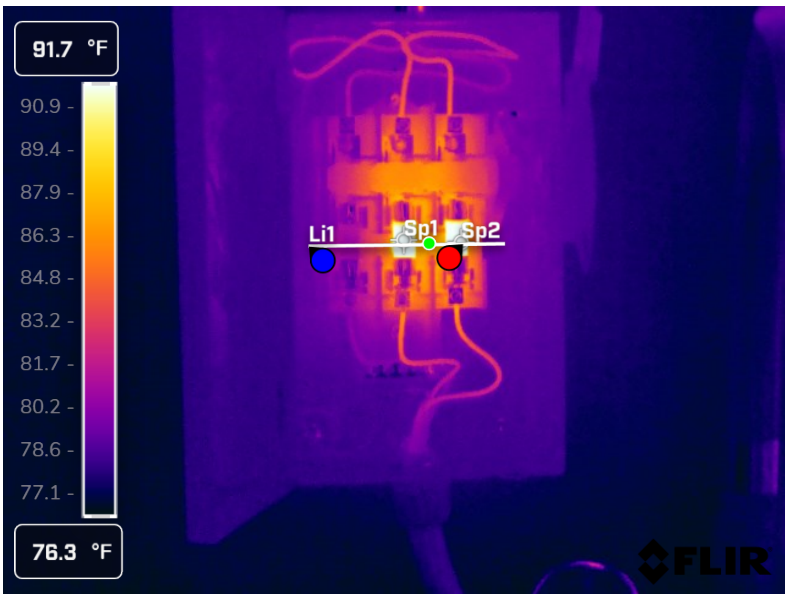
CLASS III: A defect or defects are present that make continued component reliability unpredictable and likelihood of secondary damage is high. Consideration should be given to an unscheduled shutdown to correct.

Component

Fuse Disconnect

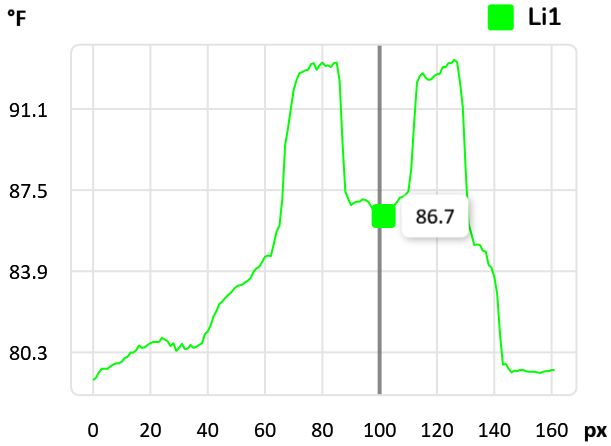
Equipment/Bucket ID

Panel A5 distribution pump ckt 26/28/30



Measurements

Li1	
Max	93.3 °F
Avg	85.0 °F
Min	79.1 °F
Sp1	92.6 °F
Sp2	93.2 °F



Fault

Possible load issue

Defect Rating

CLASS I

Recommendations

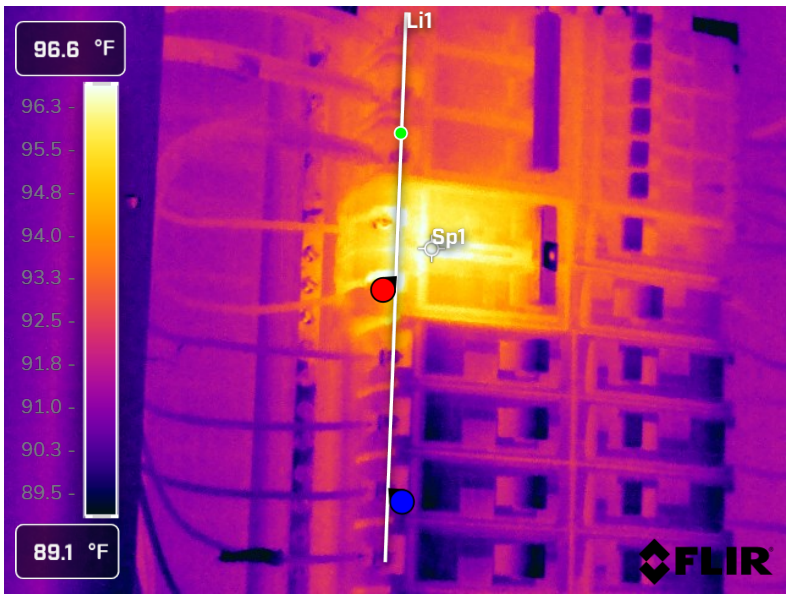
IR image shows no heat on far left fuse circuit. Amp load was checked while on site by Gephart tech. We found zero current on the far left fuse. There is a balanced load on the other two fuses. This may or may not be an issue. We recommend further investigation to determine why no load exists on this circuit.

Component

2 pole Breaker

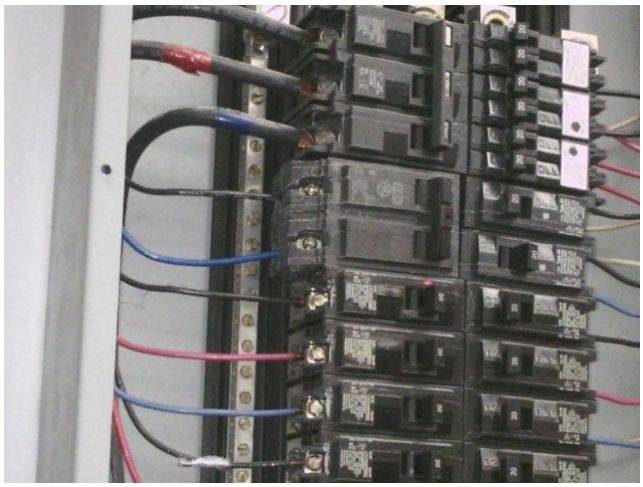
Equipment/Bucket ID

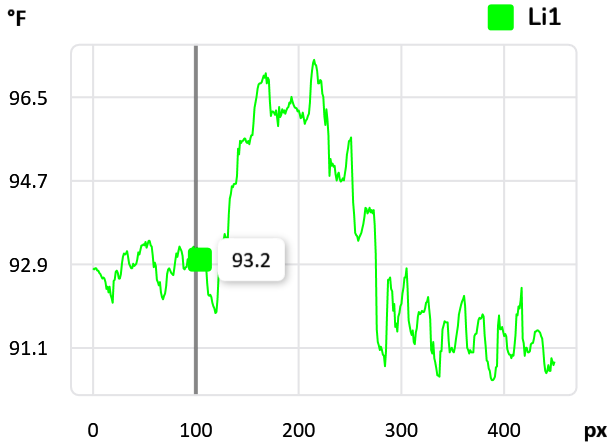
Panel A1 circuits 7 and 9



Measurements

Li1	
Max	97.3 °F
Avg	93.2 °F
Min	90.4 °F
Sp1	96.7 °F





Fault

Faulty breaker

Defect Rating

CLASS I

Recommendations

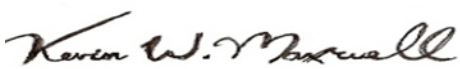
IR image shows heat on this breaker. Amp load was measured on circuits 7 and 9 and found no load exists on these circuits. This indicates a breaker fault either internally in the breaker or the buss connection atthe back of the breaker. It is highly recommended to replace this breaker. Also inspect the buss to ensure new breaker has a clean and tight connection to the service buss.

Summary

File name	Created	Maximum temp.	Page number
FLIR0877.jpg	3/13/2025 8:00:05 AM	93.9 °F	3
FLIR0879.jpg	3/13/2025 8:39:53 AM	97.5 °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,



ITC Certified Level II Infrared Thermographer

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