




## AEIC Essex Power Plant 2023 Infrared Survey Report



All 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.



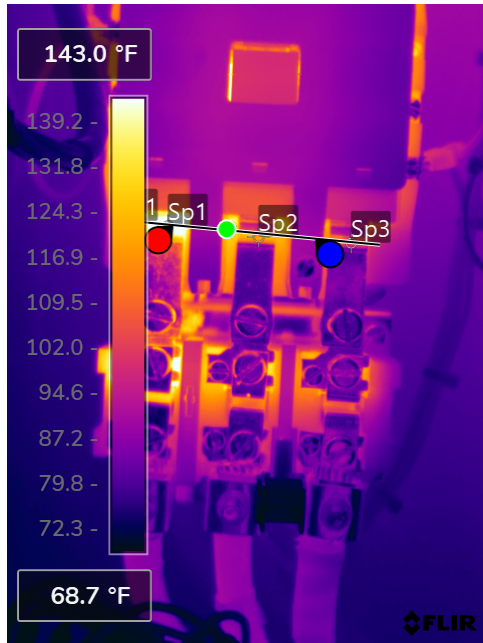
*tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters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

## Component

Thermal heater connection A PHASE

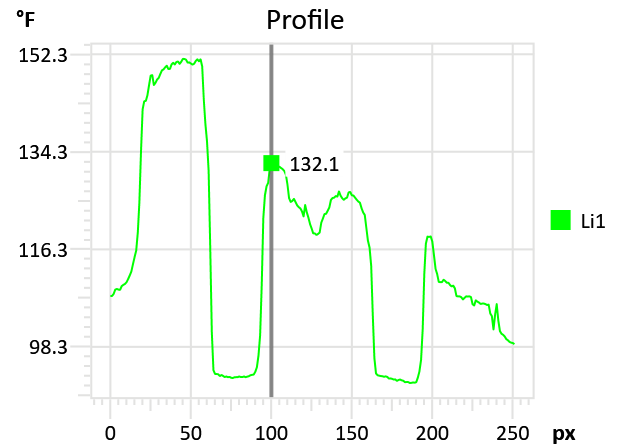
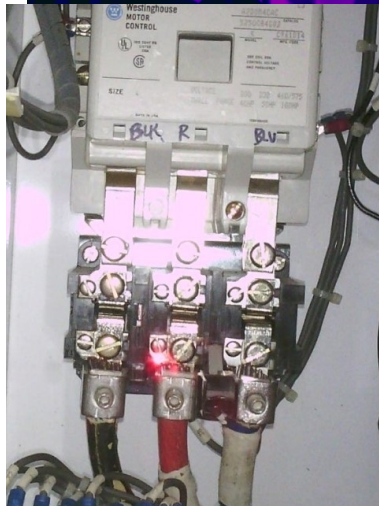
## Equipment/Bucket ID

Lube Oil Pump #2 MCC



### Measurements

Sp2	122.5 °F
Sp3	106.5 °F
Li1	
Max	151.5 °F
Avg	115.9 °F
Min	91.7 °F
Sp1	150.8 °F



## Fault

Connection issue/weak component

## Defect Rating

CLASS I

## Recommendations

IR image shows some delta-T on A phase. Check connections on A phase ensuring a clean/tight connection.



# Summary

File name	Created	Maximum temp.	Page number
FLIR0525.jpg	9/13/2023 4:33:53 AM	158.4 °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,

*Kerion W. Maxwell*



ITC Certified Level II Infrared  
Thermographer

(901) 486-4565

[kwilliam@gohispeed.com](mailto:kwilliam@gohispeed.com)