

October 2024 Electrical 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.

HI-SPEED 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

Breaker 62

Equipment/Bucket ID

Breaker Circuit 62 B1 KL1



IR image shows heat on breaker 62. Amp load was checked and found to be 23 amp on a 20 amp breaker. It is recommended to investigate and upgrade breaker if circuit components allow.



Component

Breaker Circuit 41

Equipment/Bucket ID

Circuit 41 BL1 KL2



Measurements			
Li1			
Max	124.7 °F		
Avg	93.2 °F		
Min	78.5 °F		
Sp1	123.1 °F		



Fault Heavy load/weak breaker Defect Rating CLASS I



Recommendations

IR image shows delta-t on circuit 41. Amp reading showed 19 amps on 20 amp breaker. Breaker may also have internal connection issue. It is recommended to investigate high amp load and replace breaker as time allows.



Summary

File name	Created	Maximum temp.	Page number
FLIR0851.jpg	10/16/2024 9:25:32 AM	121.8 °F	3
FLIR0853.jpg	10/16/2024 10:44:38 AM	126.9 °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,

Kerrin W. Maxuell



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