


★ *SOUTHLAND CASINO HOTEL* ★

West Memphis, AR
2024 Infrared Survey Report

October 9, 2024



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.



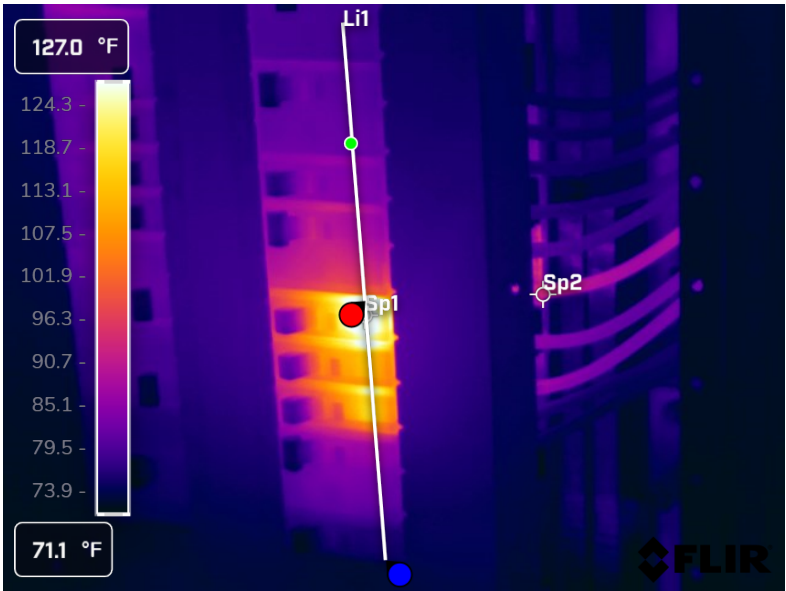
tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed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

Component

Breaker circuit 44

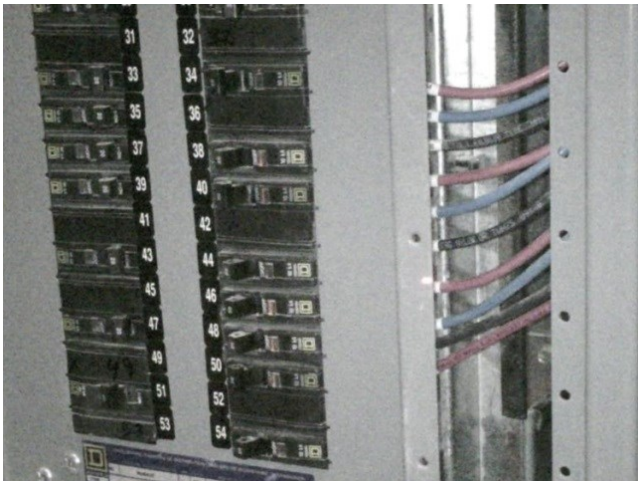
Equipment/Bucket ID

LCS1 E-3



Measurements

Li1	
Max	139.5 °F
Avg	94.0 °F
Min	74.7 °F
Sp1	133.7 °F
Sp2	93.9 °F



Fault

Overloaded circuit

Defect Rating

CLASS II

Recommendations

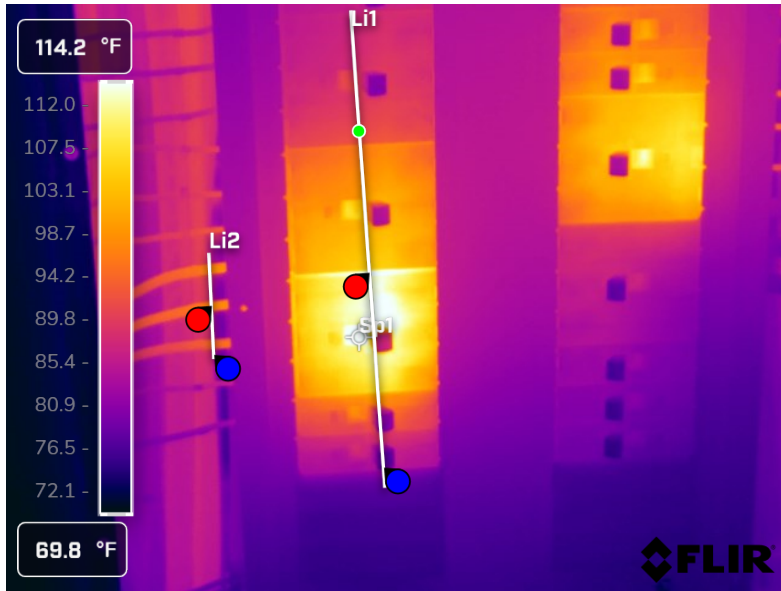
IR image shows heat on breaker 44. Amps were checked and found to have 22 amps on 20 amp breaker. Wire size will allow for 30 amp breaker. It is recommended to swap out breaker to 30 amp breaker if possible.

Component

Breaker circuit 51-55

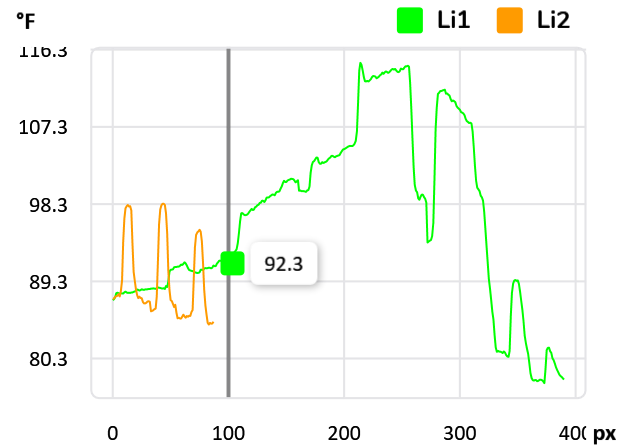
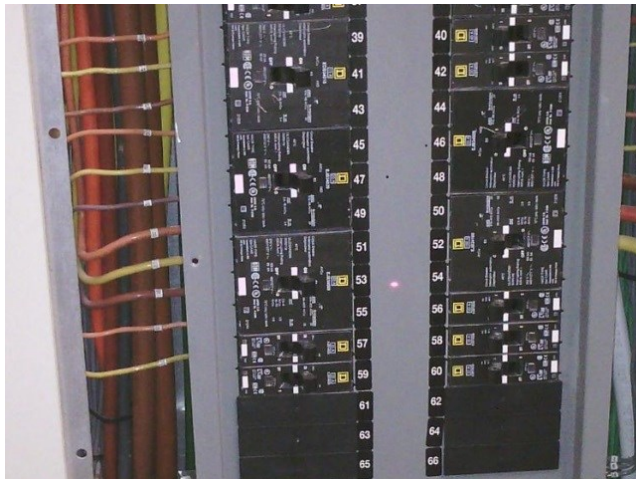
Equipment/Bucket ID

HNP1 F-1



Measurements

Li1	
Max	114.8 °F
Avg	96.7 °F
Min	77.5 °F
Li2	
Max	98.4 °F
Avg	89.4 °F
Min	84.3 °F
Sp1	120.6 °F



Fault

Faulty breaker

Defect Rating

CLASS II

Recommendations

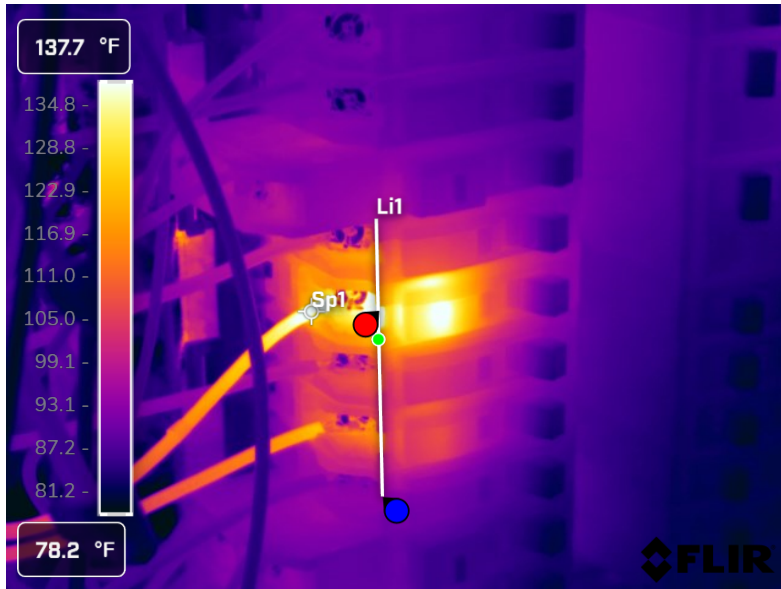
IR image shows delta-T on 3 phase breaker 51-55. Amp reading was performed and circuits appeared to have no load. Breaker may have internal faults. Plans should be made to inspect/change breaker as scheduling allows.

Component

Breaker circuit 71

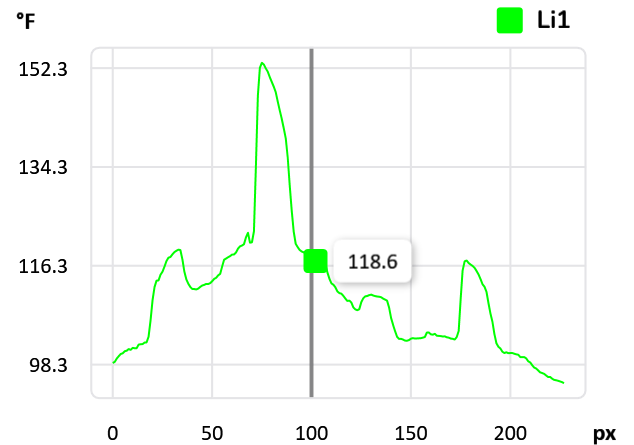
Equipment/Bucket ID

LNK1 E-1



Measurements

Li1	
Max	153.3 °F
Avg	111.8 °F
Min	95.0 °F
Sp1	140.9 °F



Fault

Overloaded circuit

Defect Rating

CLASS II

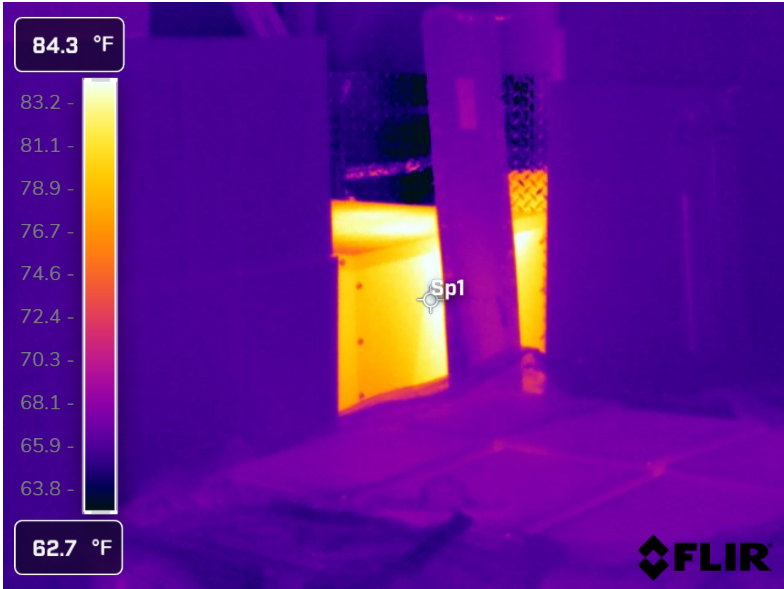
Recommendations

Breaker 71 has high delta-T. Connections was found to be tight. Amps were checked and circuit is overloaded. Breaker had 22 amps an 20 amp breaker. Upsize breaker to 30 amps if applicable.

Component

TLNK D-1

Equipment/Bucket ID



Measurements

Sp1	84.7 °F
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No plot to display

Fault

Covered Transformer

Defect Rating

CLASS II

Recommendations

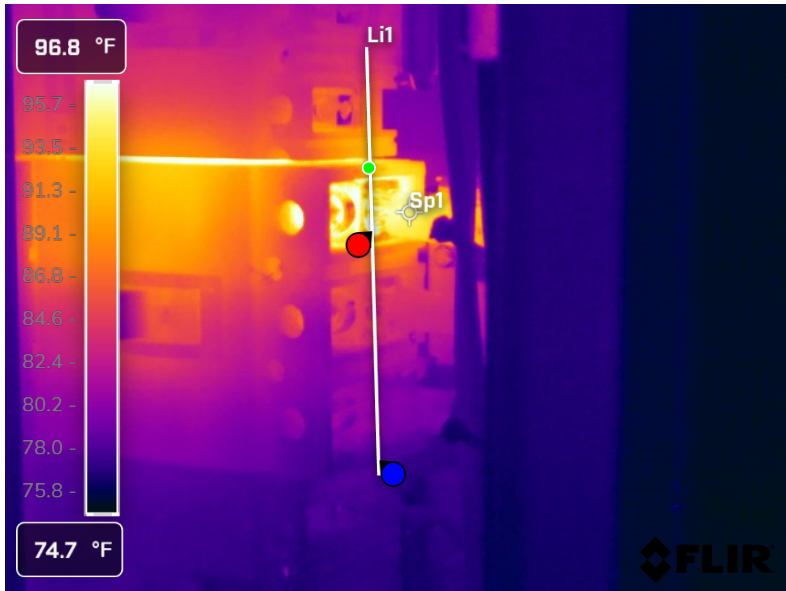
This transformer was found to be covered by materials. No excessive heat to mention; however, this is a violation of NFPA 70E code. Materials should be cleared away from the transformer asap.

Component

2N/VA

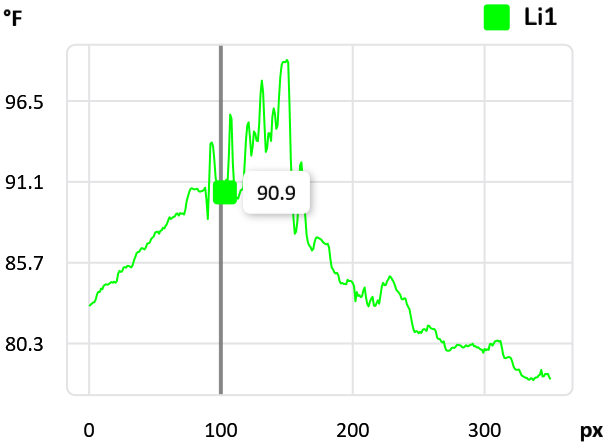
Equipment/Bucket ID

MSB W-1



Measurements

Li1	
Max	99.3 °F
Avg	85.6 °F
Min	77.9 °F
Sp1	95.0 °F



Fault

Connection/lug issue

Defect Rating

CLASS I

Recommendations

Image shows characteristics of a loose connection. Ensure connection is clean and tight. Ensure lug is not loose internally.



Summary

File name	Created	Maximum temp.	Page number
FLIR0821.jpg	10/2/2024 9:28:14 AM	139.9 °F	3
FLIR0823.jpg	10/3/2024 10:23:36 AM	122.6 °F	4
FLIR0825.jpg	10/3/2024 10:41:21 AM	158.2 °F	5
FLIR0827.jpg	10/3/2024 10:48:32 AM	86.0 °F	6
FLIR0829.jpg	10/3/2024 1:14:01 PM	105.0 °F	7



This concludes our survey report for Southland Casino & Hotel in West Memphis, AR. 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

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