


# GOLD STRIKE.

Robinsonville, MS  
Casino & Hotel  
2024 Infrared Survey Report



On September 19 and 20, 2024, all electrical panels/switches at the Gold Strike Casino and Hotel in Robinsonville, MS were scanned using a

 **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.

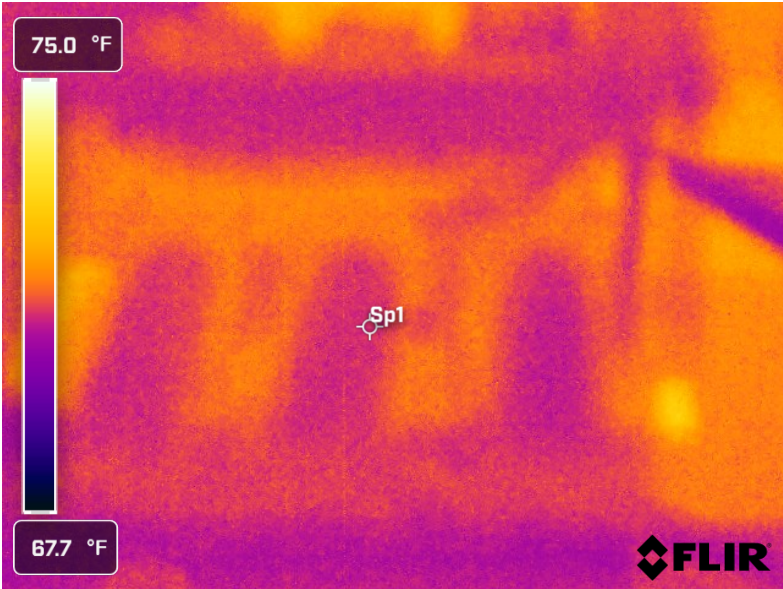
**CLASS II:** A defect or defects are present that are likely to cause a failure in the short term (less than 2 months). Should be addressed as soon as practical, on a high maintenance priority. Consideration should be given to increase monitoring frequency.

**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
Fuses
Equipment/Bucket ID
CMCCE FIRE PUMP CONTROL JOCKEY PUMP



Measurements

Sp1	71.1 °F
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No plot to display

Fault
Contamination
Defect Rating
CLASS II

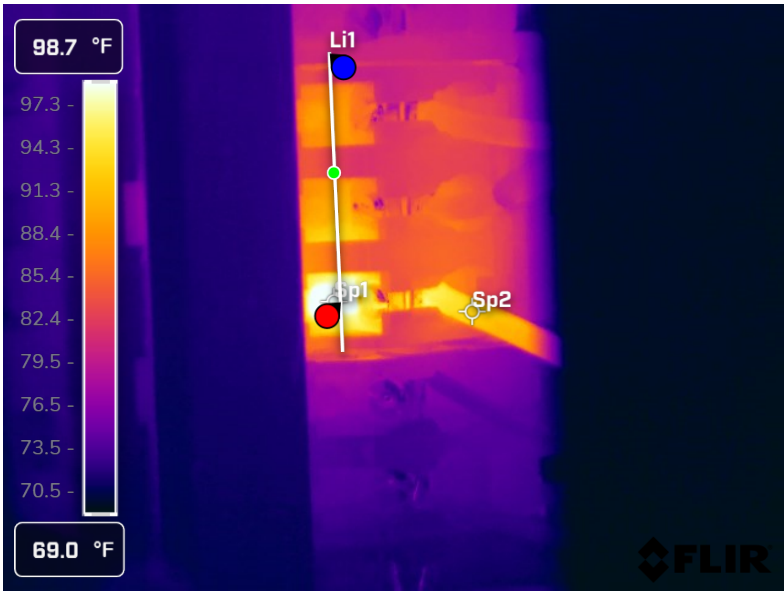
Recommendations
The issue here is not heat. The issue is that the panel has dead mice and nests. Panel need to be turned off, locked out cleaned out asap.

Component

Breaker

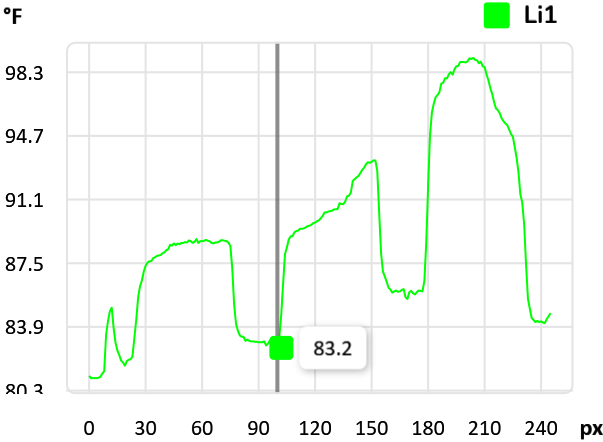
Equipment/Bucket ID

Breaker 30 Panel LPB



Measurements

Li1	
Max	99.1 °F
Avg	89.0 °F
Min	81.0 °F
Sp1	101.8 °F
Sp2	93.0 °F



Fault

Faulty Breaker

Defect Rating

CLASS I

Recommendations

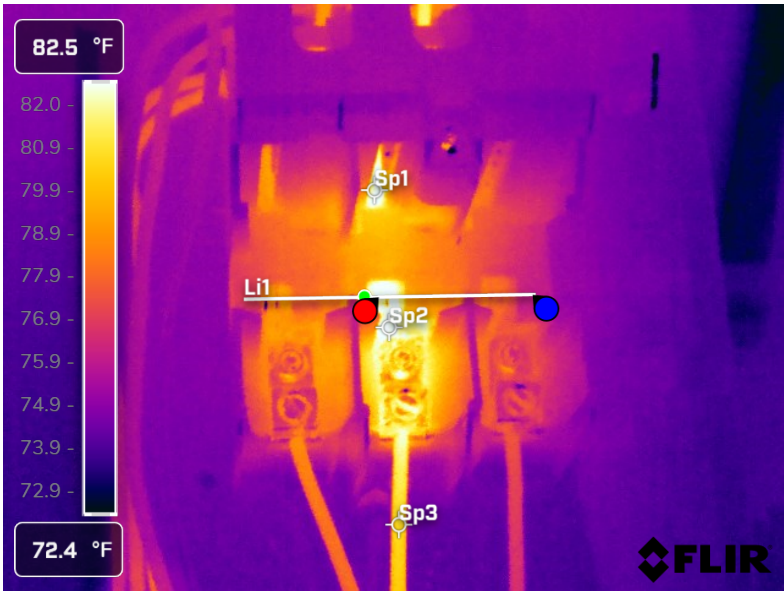
Breaker has internal heat with minimal load. Breaker likely has internal issue and should be replaced as time allows.

**Component**

Knife switch

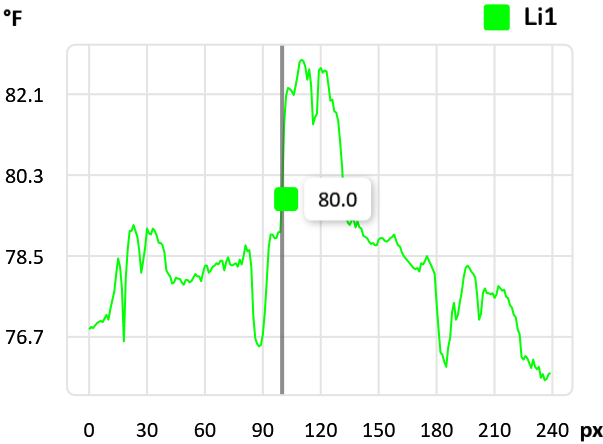
**Equipment/Bucket ID**

KCK 3436 ice maker disconnect



**Measurements**

<b>Li1</b>	
Max	82.9 °F
Avg	78.5 °F
Min	75.8 °F
<b>Sp1</b>	82.4 °F
<b>Sp2</b>	82.6 °F
<b>Sp3</b>	80.6 °F



**Fault**

Faulty connection

**Defect Rating**

**CLASS I**

**Recommendations**

There appears to be some delta-T on B phase at the knife blade. This appears to be minor at this time but will likely worsen over time. It is likely that this is due to internal wear of the switch. The best fix is to replace the disconnect switch. Perform as scheduling allows.

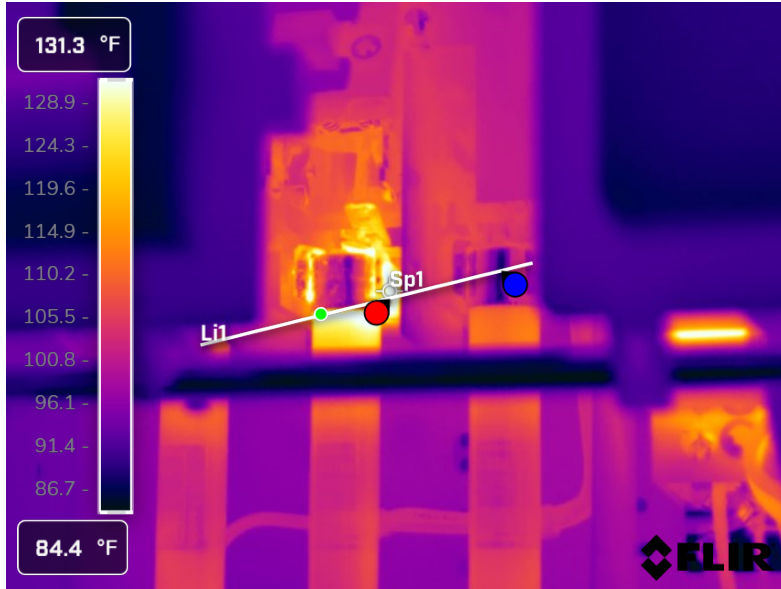


## Component

Fuse Clip/Holder

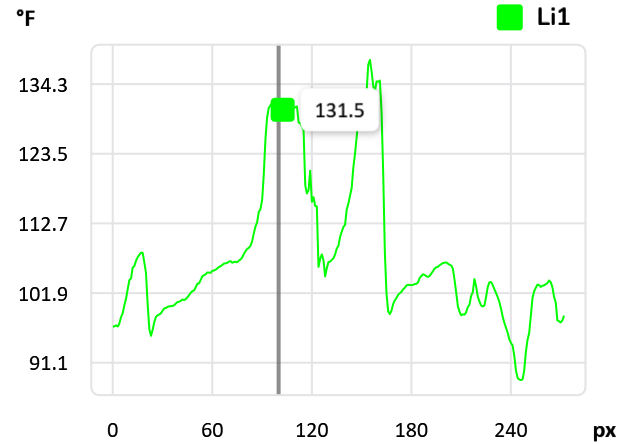
## Equipment/Bucket ID

XMCCB Buffet Left East Side Venth Hood



## Measurements

<b>Li1</b>	
Max	138.1 °F
Avg	107.8 °F
Min	88.4 °F
<b>Sp1</b>	135.8 °F



## Fault

Faulty fuse connection

## Defect Rating

**CLASS II**

## Recommendations

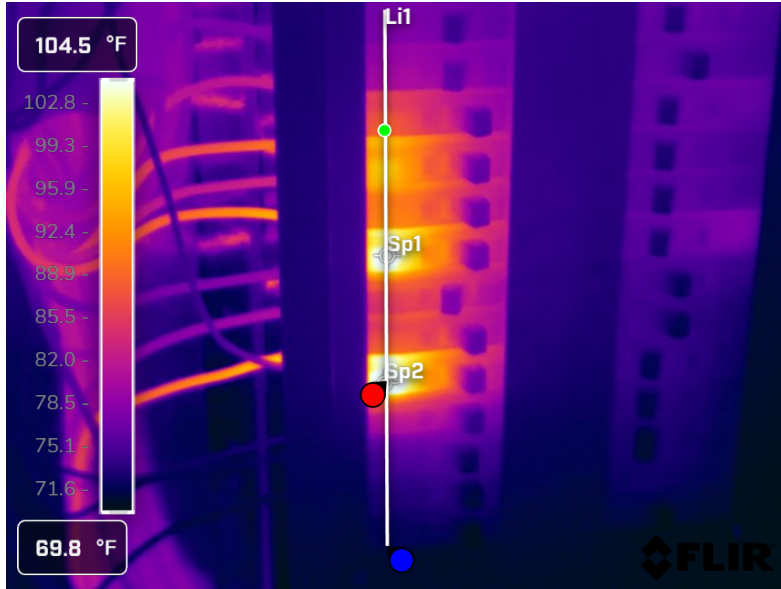
IR image shows some delta-T on B phase line side of fuse. This is likely a clip/holder issue. Ensure B phase fuse has a tight and clean connection at the line side.

## Component

Breaker

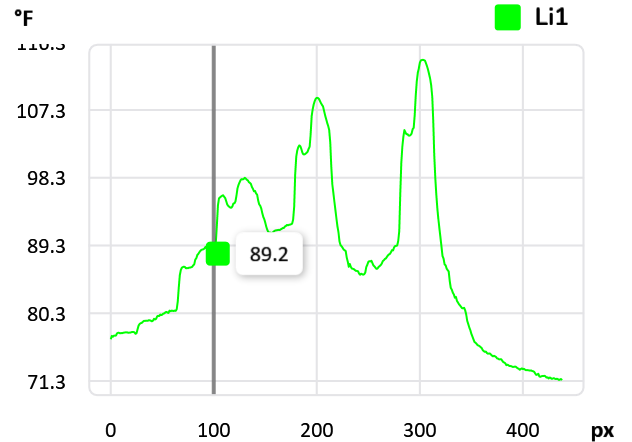
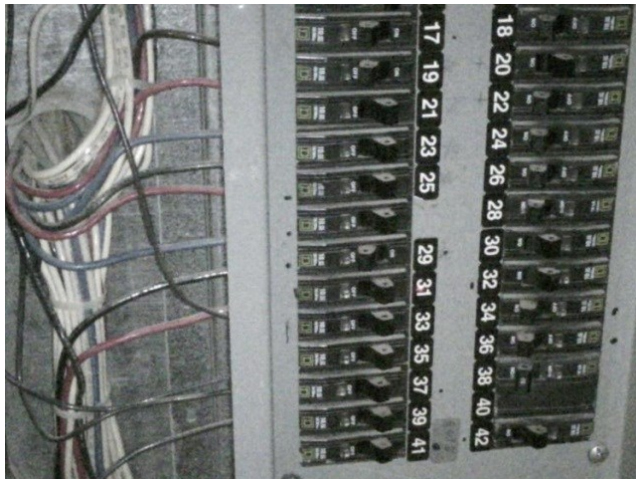
## Equipment/Bucket ID

Breaker 27 and 33 Panel SC2



## Measurements

<b>Li1</b>	
Max	114.0 °F
Avg	87.5 °F
Min	71.4 °F
<b>Sp1</b>	108.9 °F
<b>Sp2</b>	113.3 °F



## Fault

Heavy load on breakers

## Defect Rating

**CLASS I**

## Recommendations

IR imaging shows some delta-T on breakers 27 and 33. Amp load was measured and found to be near load limit (17-18 amps). These breakers are rated for 20 amps but wire size will allow for breakers to be swapped out with 30 amp breakers. We recommend replacing circuit 27 and 33 with 30 amp breakers as time allows.



# Summary

File name	Created	Maximum temp.	Page number
FLIR0791.jpg	9/19/2024 8:48:23 AM	73.1 °F	3
FLIR0793.jpg	9/19/2024 10:16:38 AM	103.6 °F	4
FLIR0795.jpg	9/19/2024 10:30:42 AM	83.3 °F	5
FLIR0797.jpg	9/19/2024 10:48:51 AM	138.4 °F	6
FLIR0799.jpg	9/19/2024 1:17:39 PM	114.5 °F	7





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

Thank you for your business,

*Kevin W. Maxwell*



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