



**Atlantic Dry Ice  
Brandon, MS  
Compressor Motor MCC  
Infrared Survey Report June 2025**



All three compressor motor MCC's 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.



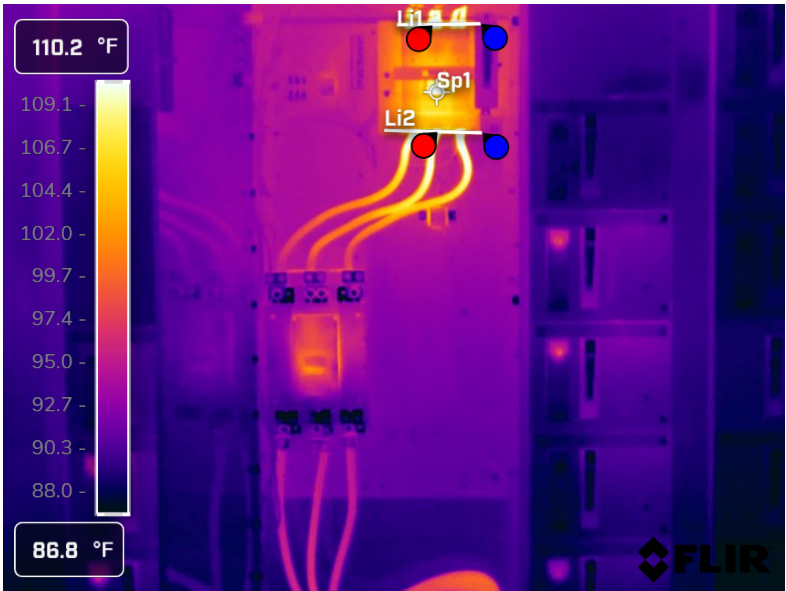
*tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters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

**Component**

Breaker/Starter

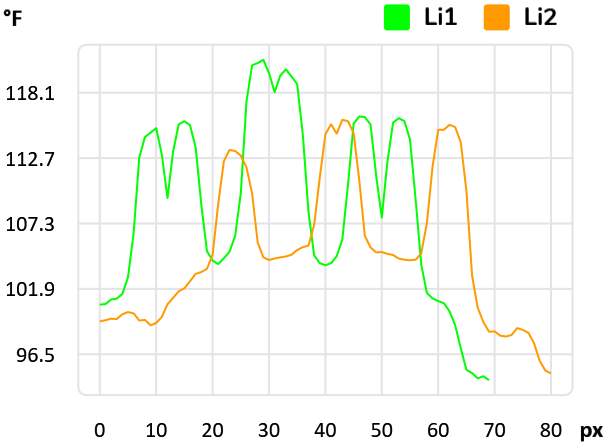
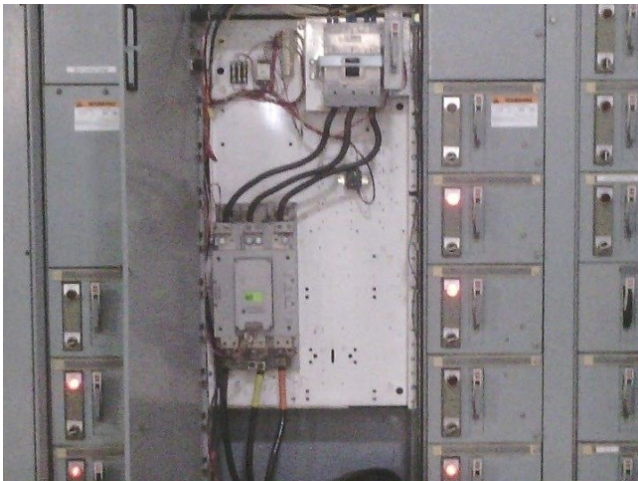
**Equipment/Bucket ID**

C-1



**Measurements**

<b>Li1</b>	
Max	120.8 °F
Avg	108.8 °F
Min	94.4 °F
<b>Li2</b>	
Max	115.9 °F
Avg	104.9 °F
Min	95.0 °F
<b>Sp1</b>	
	117.4 °F



**Fault**

None

**Defect Rating**

N/A

**Recommendations**

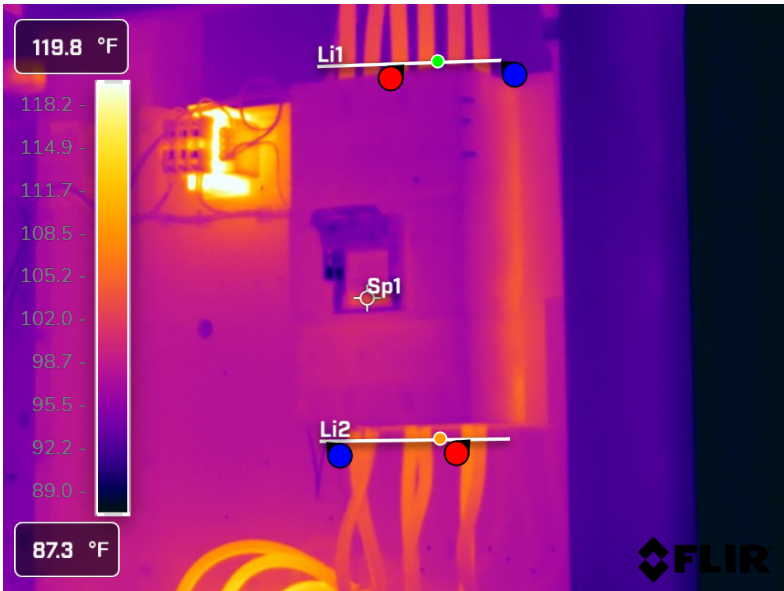
IR image shows no issues to report at this time.

Component

Breaker

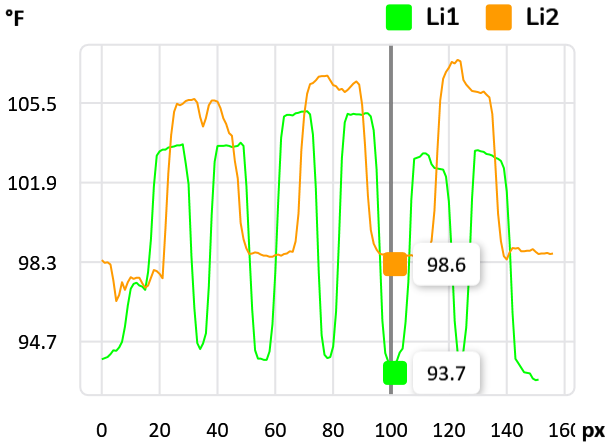
Equipment/Bucket ID

C-2



Measurements

<b>Li1</b>	
Max	105.2 °F
Avg	99.6 °F
Min	93.0 °F
<b>Li2</b>	
Max	107.5 °F
Avg	101.7 °F
Min	96.6 °F
<b>Sp1</b>	
	103.5 °F



Fault

None

Defect Rating

N/A

Recommendations

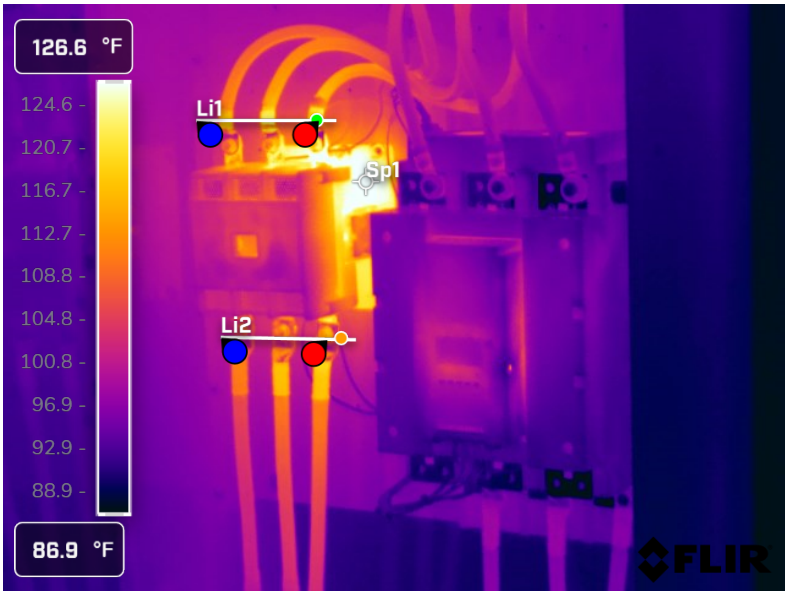
IR image shows no issues to report at this time.

**Component**

Starter/Contactor

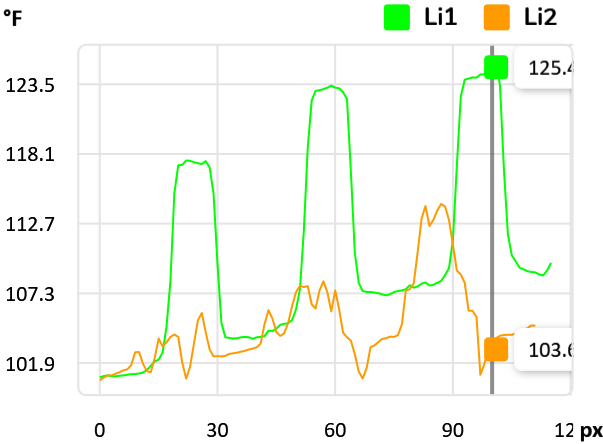
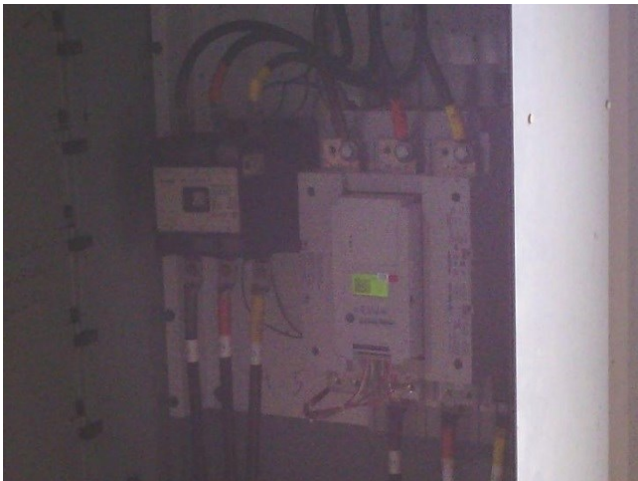
**Equipment/Bucket ID**

C-2



**Measurements**

<b>Li1</b>	
Max	125.4 °F
Avg	110.6 °F
Min	100.8 °F
<b>Li2</b>	
Max	114.3 °F
Avg	104.8 °F
Min	100.6 °F
<b>Sp1</b>	127.0 °F



**Fault**

None

**Defect Rating**

N/A

**Recommendations**

IR image shows no issues to report at this time.



Component

Breaker

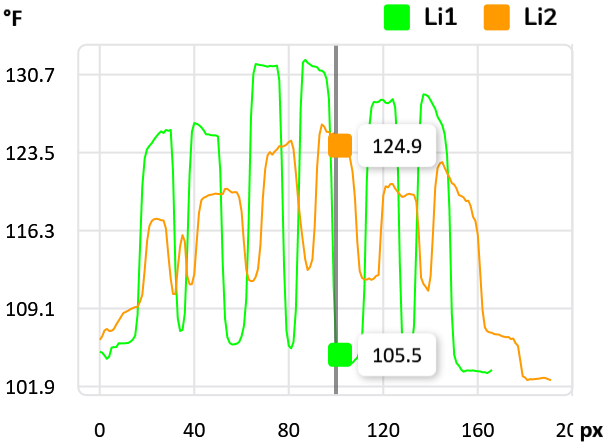
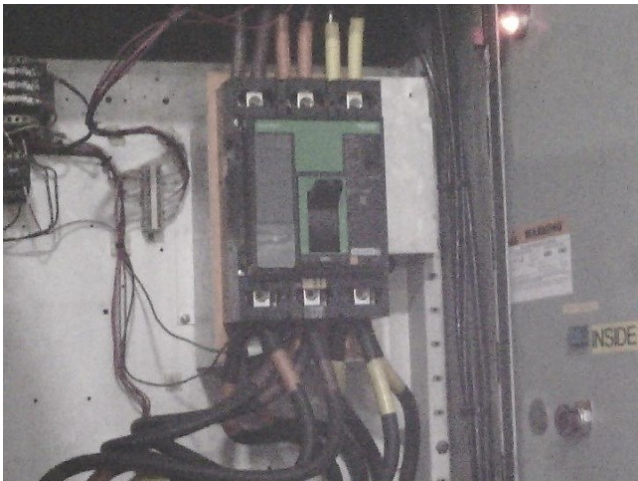
Equipment/Bucket ID

C-3



Measurements

Li1	
Max	132.1 °F
Avg	116.9 °F
Min	103.2 °F
Li2	
Max	126.1 °F
Avg	115.2 °F
Min	102.5 °F
Sp1	
	107.9 °F



Fault

None

Defect Rating

N/A

Recommendations

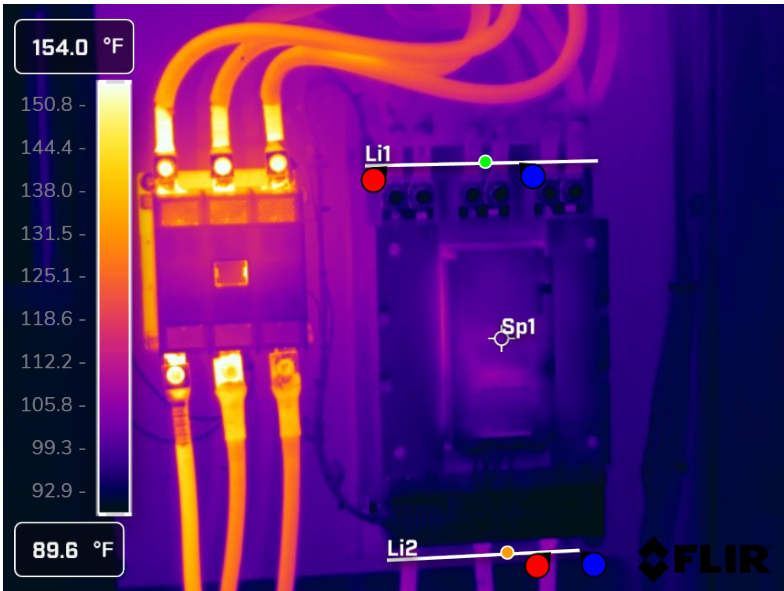
IR image shows no issues to report at this time.

### Component

Starter

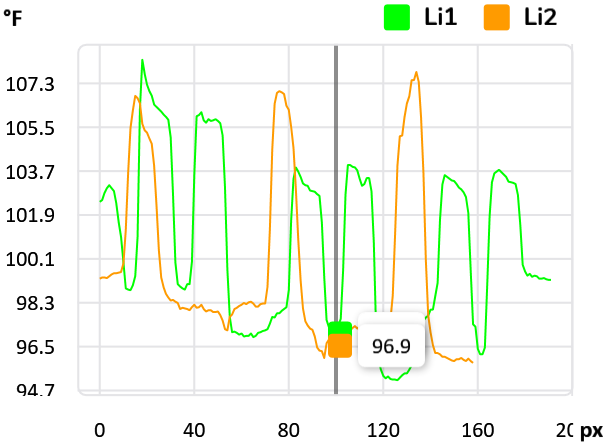
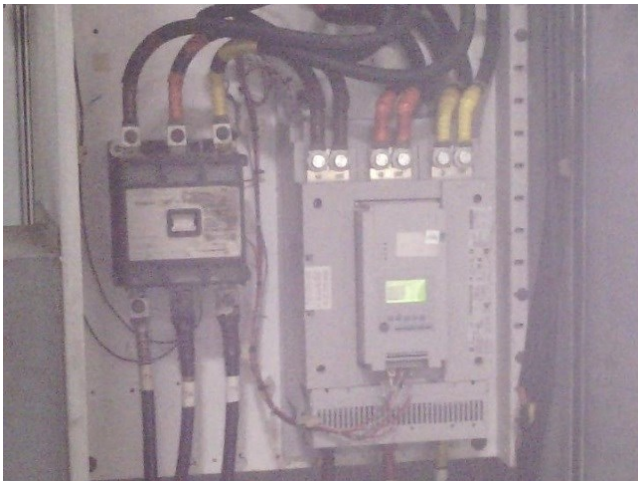
### Equipment/Bucket ID

C-3



### Measurements

<b>Li1</b>	
Max	108.3 °F
Avg	100.7 °F
Min	95.2 °F
<b>Li2</b>	
Max	107.8 °F
Avg	99.6 °F
Min	95.9 °F
<b>Sp1</b>	102.9 °F



### Fault

None

### Defect Rating

N/A

### Recommendations

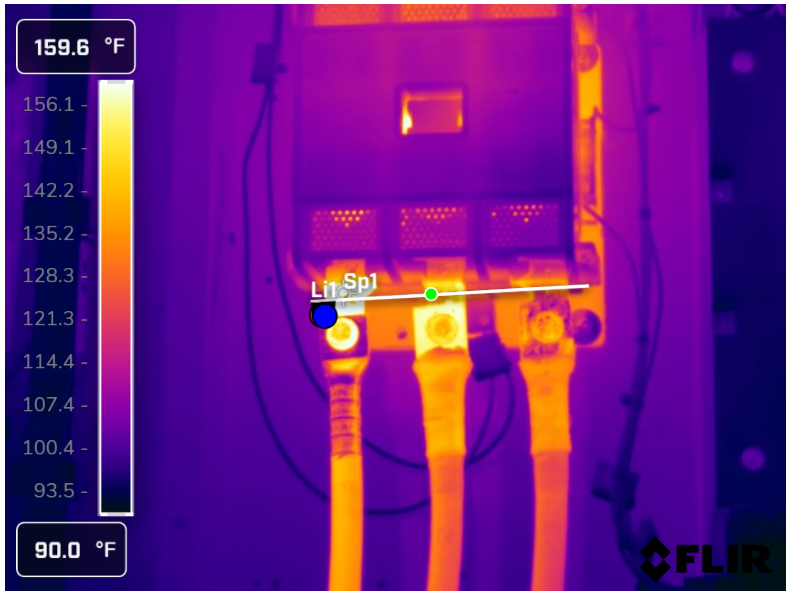
IR image shows no issues to report at this time.

# Component

Contactor

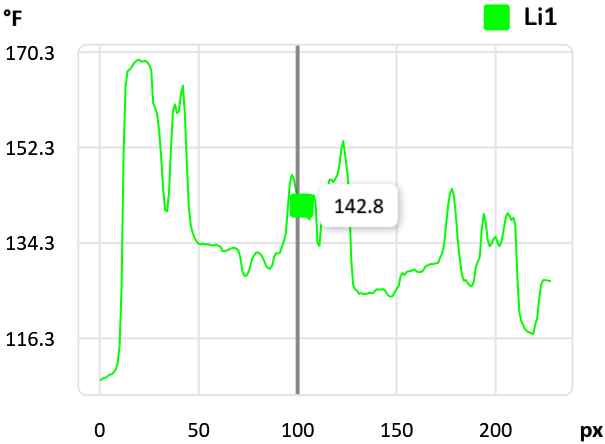
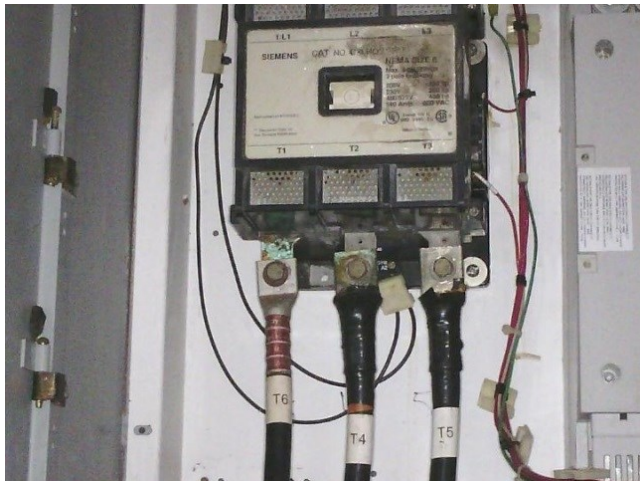
# Equipment/Bucket ID

C-3



# Measurements

<b>Li1</b>	
Max	168.9 °F
Avg	135.5 °F
Min	108.4 °F
<b>Sp1</b>	168.7 °F



# Fault

Faulty connection

# Defect Rating

CLASS I

# Recommendations

IR image shows A phase to have some delta-T and may be caused by a loose/dirty connection. There is some visible oxidizing on the lug connector. Inspect and clean to ensure a clean and tight connection.





## Summary

File name	Created	Maximum temp.	Page number
FLIR0885.jpg	4/22/2021 3:14:20 AM	124.9 °F	3
FLIR0886.jpg	4/22/2021 3:14:58 AM	125.0 °F	4
FLIR0887.jpg	4/22/2021 3:15:28 AM	136.0 °F	5
FLIR0888.jpg	4/22/2021 3:16:10 AM	137.4 °F	6
FLIR0889.jpg	4/22/2021 3:16:48 AM	167.4 °F	7
FLIR0890.jpg	4/22/2021 3:18:10 AM	170.6 °F	8



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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Thermographer

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