



ADI Brandon, MS Ammonia Compressor MCC Quarterly Infrared Survey Report September 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.

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.



MCC

Equipment/Bucket ID

CM-1



Measurem	Measurements			
Li1				
Max	120.9 °F			
Avg	107.5 °F			
Min	94.7 °F			
Li2				
Max	115.2 °F			
Avg	98.5 °F			
Min	88.6 °F			
Li3				
Max	92.7 °F			
Avg	89.7 °F			
Min	86.6 °F			
Li4				
Max	90.8 °F			



۴F 📒 Li1 📒 Li2 🔳 Li3 📕 Li4 116.3 107.3 98.3 89.3 0 30 40 60 10 20 50 70 80 рх

Fault None Defect Rating N/A

Recommendations

IR image shows no issues to note at this time.



Breaker

Equipment/Bucket ID

CM-2



Measurements			
Li1			
Max	103.1 °F		
Avg	96.7 °F		
Min	88.8 °F		
Li2			
Max	106.5 °F		
Avg	99.2 °F		
Min	93.4 °F		
Sp1	104.6 °F		



 •F
 Li1
 Li2

 105.5
 101.9
 104.7
 102.5

 98.3
 94.7
 101.9
 102.5

 91.1
 0
 40
 80
 120
 160
 px

Fault
None
Defect Rating
N/A

Recommendations

No issues to note at this time.



Starters

Equipment/Bucket ID

CM-2



NO issues to note at this time. Some slight heat can be seen on back of starter, but this seems normal for this unit.



Breaker

Equipment/Bucket ID

CM-3



Measurements		
Li1		
Max	123.2 °F	
Avg	109.7 °F	
Min	97.1 °F	
Li2		
Max	121.9 °F	
Avg	112.2 °F	
Min	98.2 °F	
Sp1	122.9 °F	



Fault
None
Defect Rating
N/A



Recommendations

NO issues to note at this time.



Starters

Equipment/Bucket ID

CM-3



Measureme	nents		
Li1			
Max	142.3 °F		
Avg	118.9 °F		
Min	95.9 °F		
Li2			
Max	131.3 °F		
Avg	105.2 °F		
Min	94.0 °F		
Li3			
Max	103.0 °F		
Avg	92.4 °F		
Min	86.0 °F		
Li4			
Max	102.2 °F		





Fault None Defect Rating N/A

Recommendations

No issues to note at this time.



Summary

File name	Created	Maximum temp.	Page number
FLIR0811.jpg	9/27/2024 12:18:06 PM	125.7 °F	3
FLIR0813.jpg	9/27/2024 12:19:17 PM	142.4 °F	4
FLIR0815.jpg	9/27/2024 12:20:19 PM	124.2 °F	5
FLIR0817.jpg	9/27/2024 12:20:54 PM	125.1 °F	6
FLIR0819.jpg	9/27/2024 12:22:05 PM	150.4 °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,

Kerrin W. Maxuell



ITC Certified Level II Infrared Thermographer

(901) 486-4565

kwilliam@gohispeed.com