



MOST Inc. Jackson, TN Infrared Survey Report June 2025





FLIR T865 infrared camera. The following report only contains All electrical panels at the Jackson, TN plant were scanned using a 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 unpredicable 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.



lead connections

Equipment/Bucket ID

ES-MP contactor between cooling fan and Ferr Con



		Measurements		
LI1				
Max	186.7 °F			
Avg	154.2 °F			
Min	117.0 °F			
Li2				
Max	174.5 °F			
Avg	130.3 °F			
Min	96.8 °F			
Sp1	187.1 °F			
Sp2	177.8 °F			



Fault Faulty connections Defect Rating CLASS II



Recommendations

A phase on line side and B phase on load side show to have issues with lead connections. Ensure each lead has a clean and tight connection. Inspect lugs also.



C phase load side

Equipment/Bucket ID

Shredder CP1 Main Disconnect



Measurements		
Li1		
Max	208.3 °F	
Avg	131.6 °F	
Min	98.6 °F	
Sp1	209.4 °F	



Fault
Faulty connection/possible load imbalance
Defect Rating

CLASS II



Recommendations

C phase shows to have high delta-T. This may be a bad connection but could also be caused by some load imbalance. Check C phase lead connection ensuring a clean and tight connection. Check amps on each leg to ensure a balanced load.



C phase line side

Equipment/Bucket ID

Stripper Cabinet FLA 3



Li1		
Max	162.2 °F	
Avg	116.0 °F	
Min	101.3 °F	
Sp1	139.1 °F	



Fault Faulty connection Defect Rating CLASS II



Recommendations

C phase line side appears to have a connection issue. This may be a loose connection at the breaker but could be an internal issue with the breaker itself. Inpsect lug on leads and on breaker and ensure C phase has a clean and tight connection.



C phase fuse connections

Equipment/Bucket ID

Dust collector exhaust fan WB-2



Measurements		
Li1		
Max	>266.4 °F	
Avg	*156.0 °F	
Min	99.2 °F	
Sp1	>266.4 °F	



Fault
Faulty fuse connections
Defect Rating

CLASS III



Recommendations

There is significant heat (over 266 F) on C phase fuse knife switch connections. Check all fuse components for loose connections and replace worn components as needed. Perform ASAP.



Lead connections

Equipment/Bucket ID

Melter #2 Block #16



Measurements		
Li1		
Max	141.1 °F	
Avg	109.7 °F	
Min	86.1 °F	
Li2		
Max	150.5 °F	
Avg	111.4 °F	
Min	93.3 °F	
Sp1	159.8 °F	



Fault Faulty connections Defect Rating CLASS I



Recommendations

Lead connections marked #16 appear to have some possible connection issues. There could also be some load imbalance. Check connections ensuring a clean and tight connection. Ensure leads are not deteriorating. Check amp load to ensure balanced load.



Summary

File name	Created	Maximum temp.	Page number
FLIR0874.jpg	4/19/2021 2:09:32 AM	212.0 °F	3
FLIR0875.jpg	4/19/2021 2:12:28 AM	212.3 °F	4
FLIR0876.jpg	4/19/2021 2:15:22 AM	162.4 °F	5
FLIR0877.jpg	4/19/2021 2:32:44 AM	266.4 °F	6
FLIR0878.jpg	4/19/2021 2:54:31 AM	162.3 °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

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