



Infrared Thermography Report

ARCOSA INFRARED 2020



All electrical panels were scanned using a **CFLIR** P60 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	Top Right Circuit Breaker for Quincy Compressor
Equipment/Bucket ID	Main Panel DP1



Fault	Localized hot spot and possible over current
Defect Rating	Class I

Recommendations

Clean and inspect the buss and breaker connections. Replace as needed. Retorque all fasteners. Perform an amp draw test to confirm proper conductor sizing or over current condition.



Component	2nd Down on Left Circuit Breaker Final Trim Panel
Equipment/Bucket ID	Main Panel DP2



Sp1	131.2 °F
Sp2	121.3 °F
Li1 Minimum	101.9 °F
Li1 Maximum	134.1 °F
Areas	-





Fault	Localized hot spots
Defect Rating	Class I

Recommendations	
Clean and inspect the buss and breaker connections. Replace as needed. Retorque all fasteners.	



Component	3 rd Up on Left Circuit Breaker slots 25/27/29
Equipment/Bucket ID	H1 Main Panel



Fault	Localized hot spots
Defect Rating	Class I

Recommendations

Clean and inspect the buss and breaker connections. Replace as needed. Retorque all fasteners. Perform an amp draw test to confirm proper conductor sizing or over current condition.



Component	Main Circuit Breaker Top Right
Equipment/Bucket ID	Trim Panel



Sp1	151.4 °F
Li1 Minimum	106.3 °F
Li1 Maximum	151.1 °F
Areas	-





Fault	Localized Hot Spots and possible overcurrent issue.
Defect Rating	Class I

Recommendations

Clean and inspect the buss and breaker connections. Replace as needed. Retorque all fasteners. Perform an amp draw test to confirm proper conductor sizing or over current condition.



Component	Bottom Left Circuit Breaker
Equipment/Bucket ID	Trim Panel Dust Collector system



Sp1	134.2 °F
Sp2	136.1 °F
Sp3	136.1 °F
Li1 Minimum	114.5 °F
Li1 Maximum	136.7 °F
Areas	-





Fault	Localized Hot Spots. Possible over curreny
Defect Rating	Class I

Recommendations	
Clean and inspect the buss and	d breaker connections. Replace as needed. Retorque all fasteners. Perform an amp draw
test to confirm proper conduc	tor sizing or over current condition.



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

Thank you for your business,

David W. Shook



ITC Certified Infrared Thermographer

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