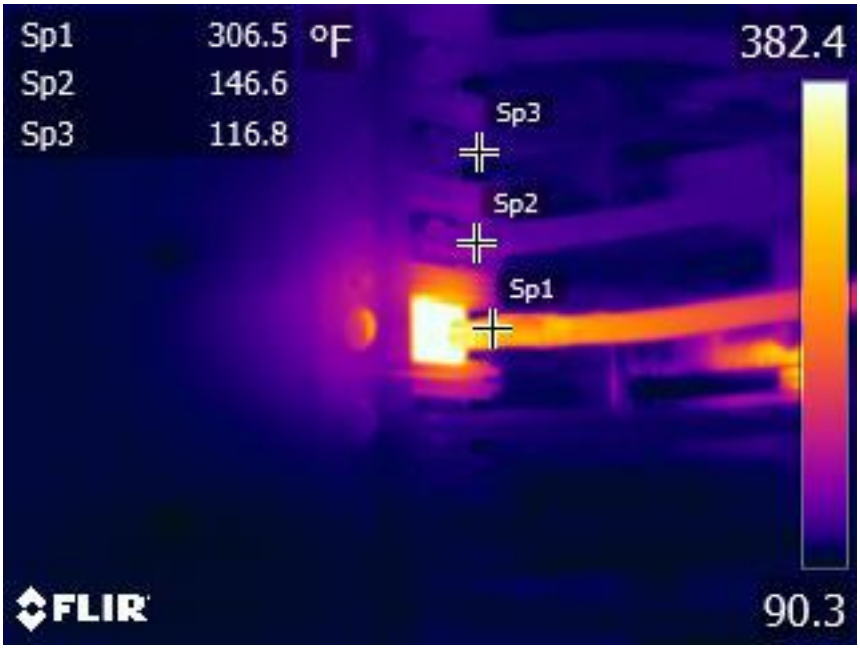


Infrared Thermography Report

Unipress IR July 2020

All electrical panels were scanned using a FLIR 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.

HI-SPEED employs a three-tier defect rating system:

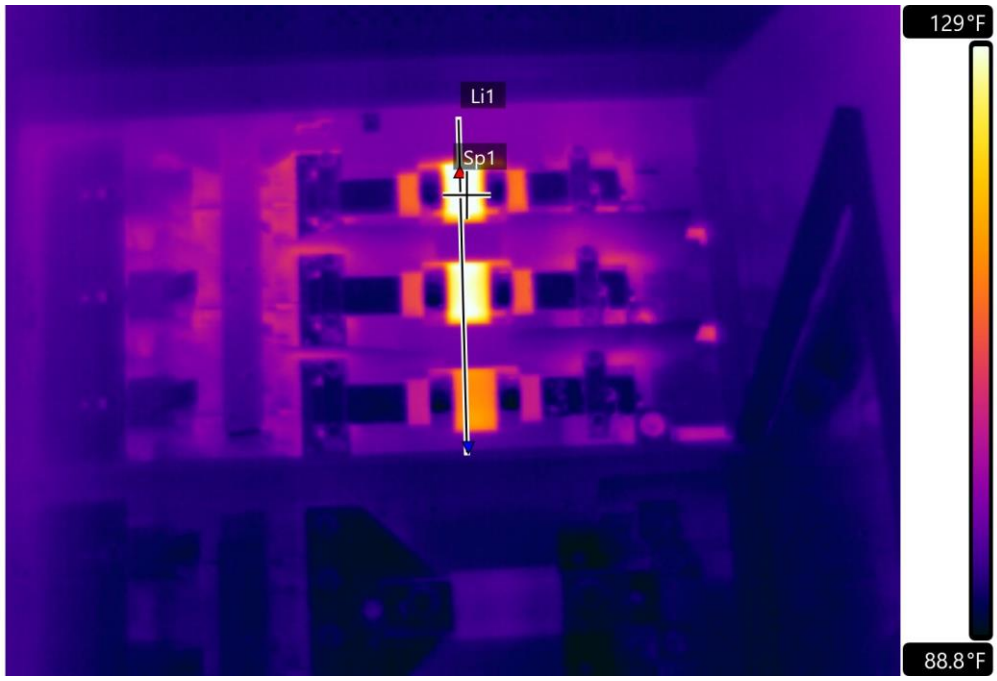
CLASS I: A defect or defects are present that are likely to cause a problem in the long term (2-6 months). Should be addressed in the normal course of maintenance scheduling.

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.

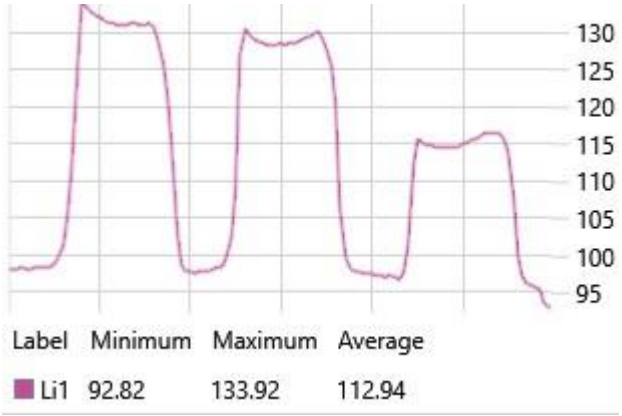
CLASS III: A defect or defects are present that make continued component reliability unpredictable and likelihood of secondary damage is high. Consideration should be given to an unscheduled shutdown to correct.

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.*

Component	Switch Fuses
Equipment/Bucket ID	Main Switch Board #6 SB6 RTU-11



Sp1	130.5 °F
Li1 Minimum	92.8 °F
Li1 Maximum	133.9 °F
Areas	-

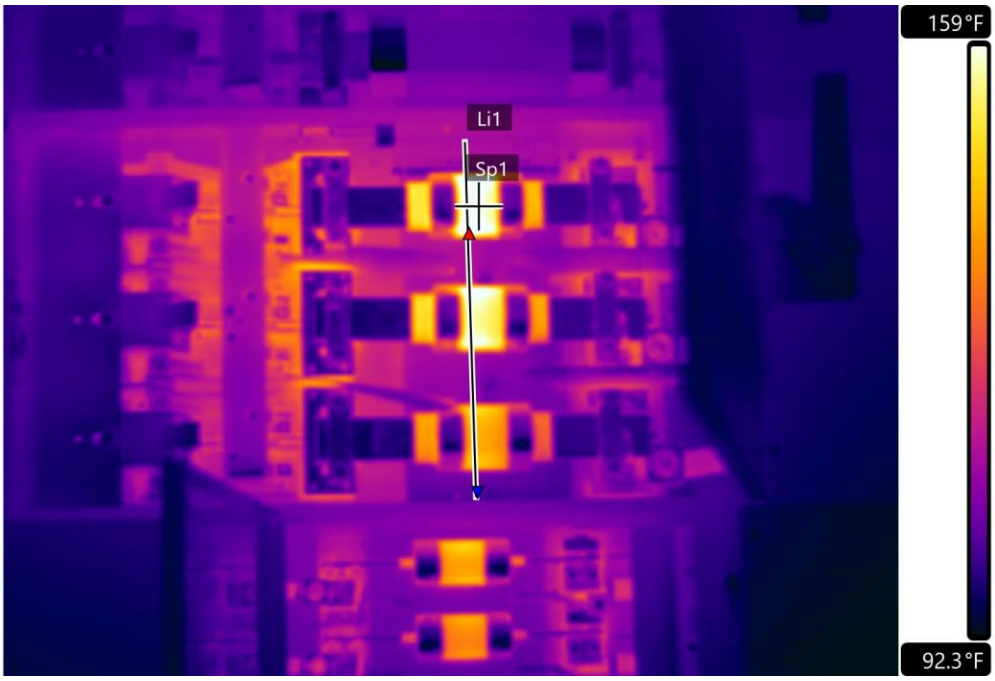


Fault	20 Degree delta between fuses
Defect Rating	Class I

Recommendations

We suspect a phase to phase current difference. Check amp draw between phases at both ends of conductor runs. Check for loose connections or bad fuses. Check the motor also. Clean or replace.

Component	Switch Fuses
Equipment/Bucket ID	Main Switch Board #5 CH-3

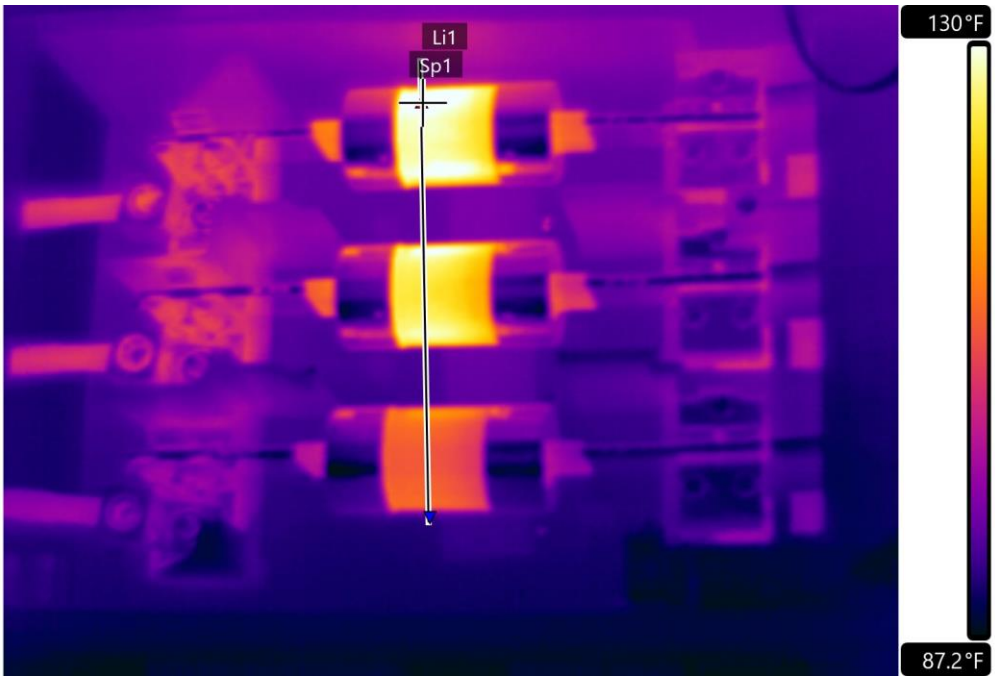


Sp1	158.7 °F
Li1 Minimum	103.8 °F
Li1 Maximum	164.5 °F
Areas	-

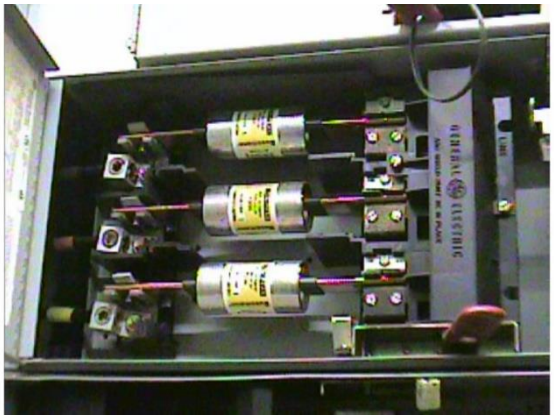
Fault	20 Degree delta between phases at fuses
Defect Rating	Class I

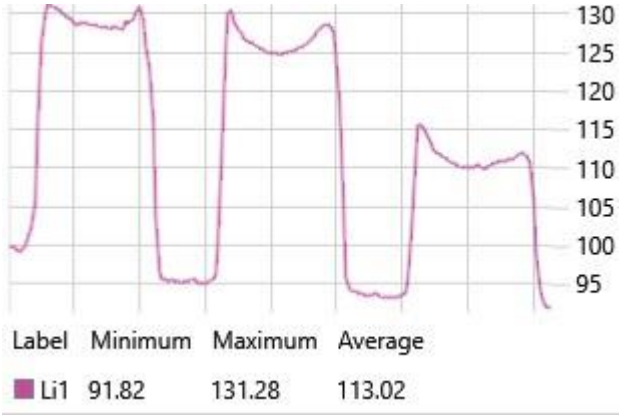
Recommendations
We suspect a phase to phase current difference. Check amp draw between phases at both ends of conductor runs. Check for loose connections or bad fuses. Check the motor also. Clean or replace.

Component	Switch Fuses
Equipment/Bucket ID	Main Switchboard #7 Die Building Air Handler



Sp1	130.6 °F
Li1 Minimum	91.8 °F
Li1 Maximum	131.3 °F
Areas	-



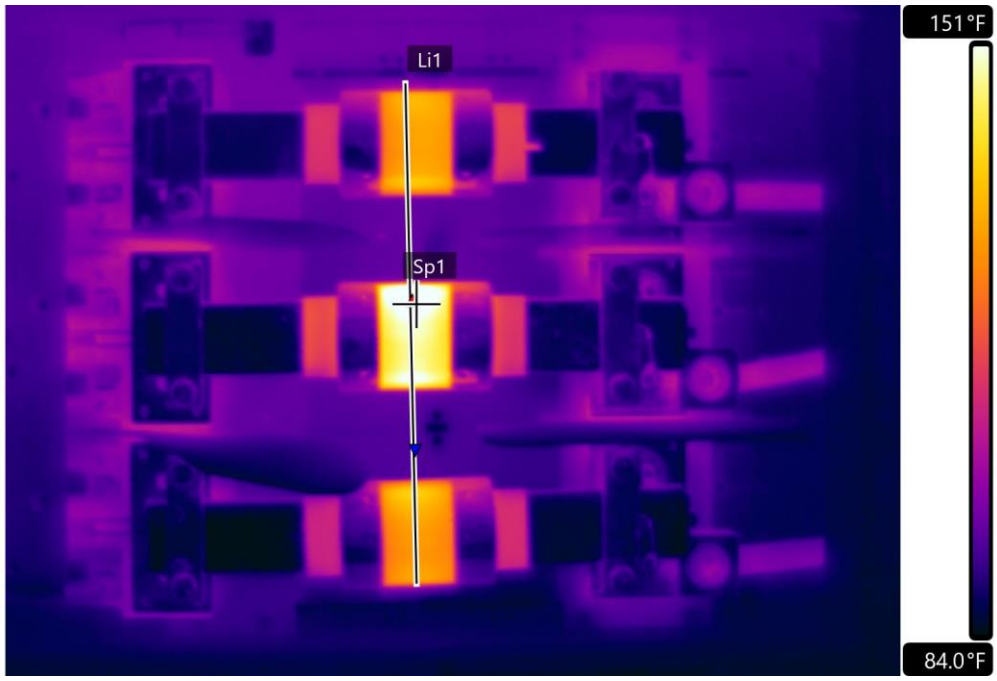


Fault	15 Degree delta between phases at fuses
Defect Rating	Class I

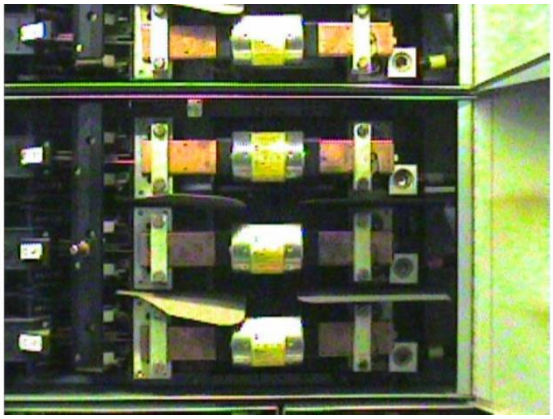
Recommendations

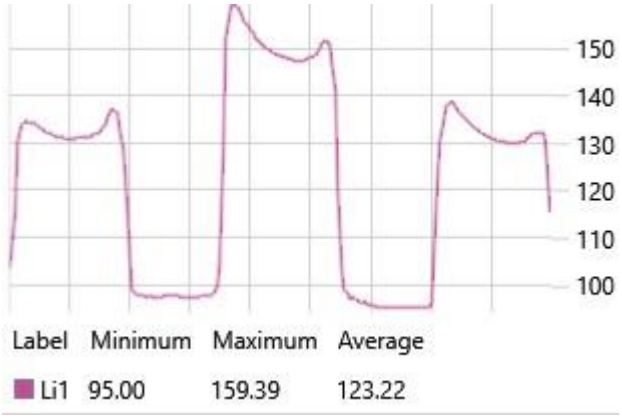
We suspect a phase to phase current difference. Check amp draw between phases at both ends of conductor runs. Check for loose connections or bad fuses. Check the motor also. Clean or replace.

Component	Switch Fuses
Equipment/Bucket ID	Main Switch Board #7 HVAC unit 24



Sp1	154.3 °F
Li1 Minimum	95.0 °F
Li1 Maximum	159.4 °F
Areas	-





Fault	20 Degree delta at fuses
Defect Rating	Class I

Recommendations
We suspect a phase to phase current difference. Check amp draw between phases at both ends of conductor runs. Check for loose connections or bad fuses. Check the motor also. Clean or replace.

Summary

Image Date&Time	Page number
7/30/2020 10:48:39 AM	3
7/30/2020 10:58:04 AM	4
7/30/2020 12:17:54 PM	5
7/30/2020 12:20:29 PM	6

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 Level I Infrared Thermographer

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