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# QualiTest IR Radiometric Survey Report



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Job Number	140088
Survey Date	6/28/19
Report Date	7/9/19

# QualiTest IR Radiometric Survey Report



The following report only contains defects that were found during the survey. Below is our classification system for each defect contained in this report. If there are any questions or comments, please feel free to contact us at any time.

**Hi-Speed Industrial Service QualiTest Diagnostics** employs a three-step 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; continue to monitor.

**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 is practical, on a high maintenance priority. Consideration should be given to increased monitoring frequency.

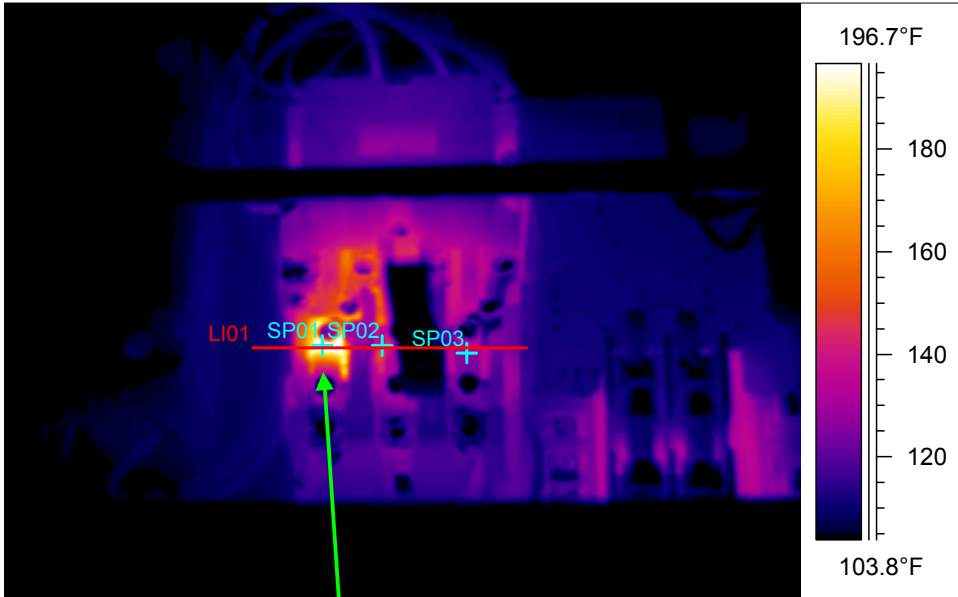
**CLASS III** - A defect or defects are present that make continued component reliability unpredictable, and likelihood of secondary damage is high. Consideration of an unscheduled shutdown should be given to correct defect.

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

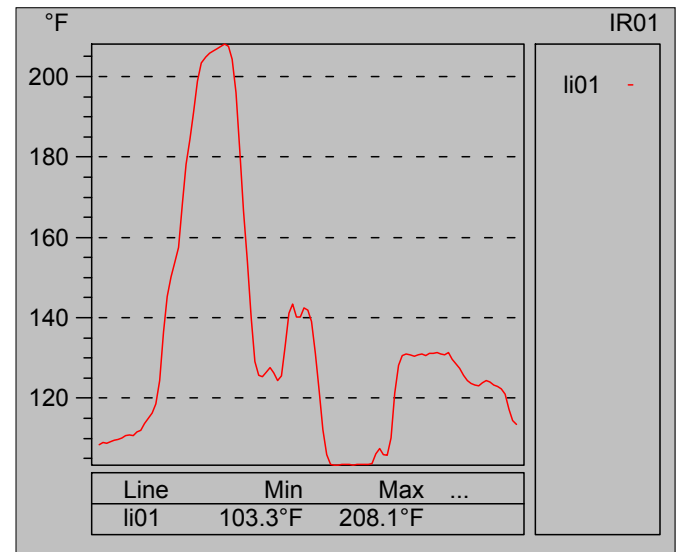
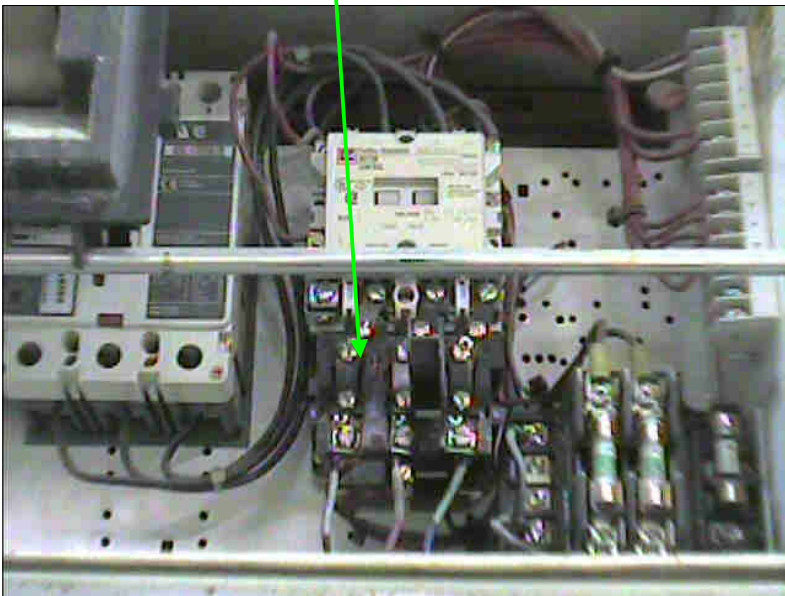




Component	Equipment/Bucket ID	Plant/Area	Date
Heater/Contactor	MCC-FG2/M5333 IR Comb. Fan	Reclaim	7/1/19



Label	Value
IR : max	212.7°F
IR : min	91.1°F
SP01	210.9°F
SP02	136.0°F
SP03	128.3°F
LI01 : max	208.1°F
LI01 : min	103.3°F



<b>Fault</b>	Faulty Heater/Contactor issue
<b>Defect Rating</b>	<b>CLASS II</b>

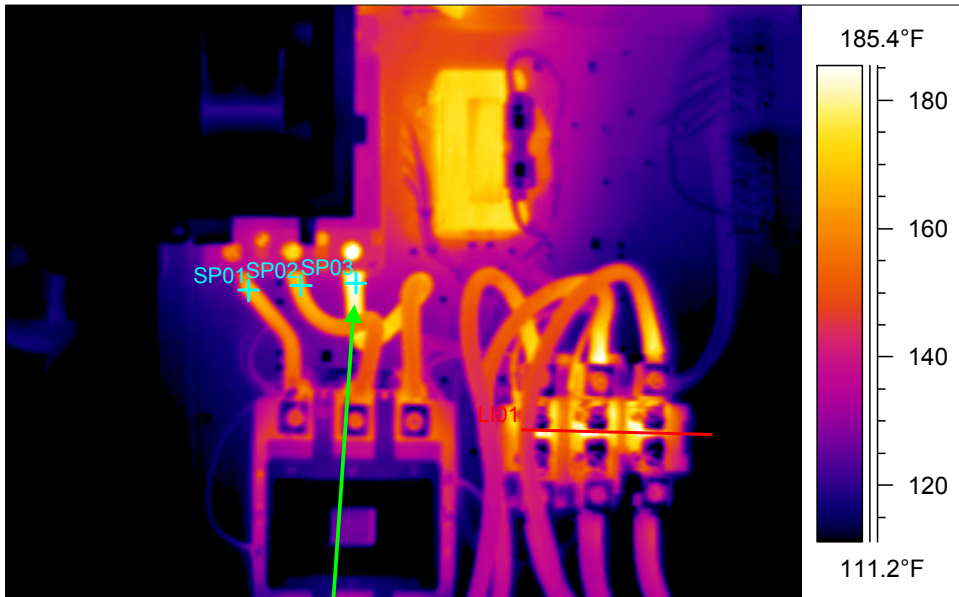
## Recommendation

Heater still shows an issue after checking/tightening connections. Heater needs to be replaced. If issue still shows after replacing heater, then there may be an internal contact issue in the contactor.

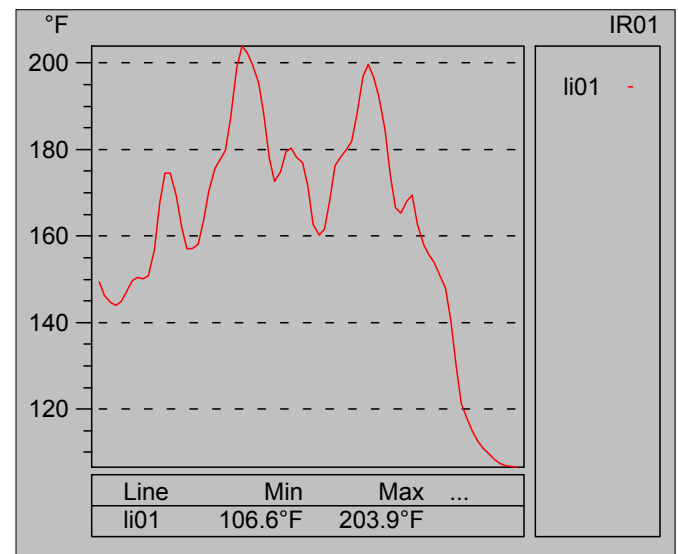
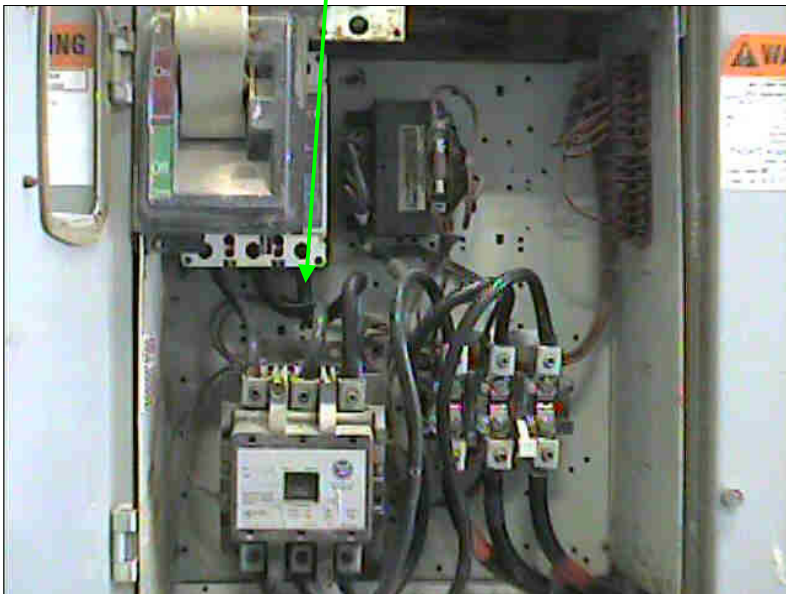




Component	Equipment/Bucket ID	Plant/Area	Date
N/A	MCC-2C2/#1 White Water Loop Pump	Reclaim	7/1/19



Label	Value
IR : max	203.9°F
IR : min	89.8°F
SP01	168.8°F
SP02	168.8°F
SP03	186.0°F
LI01 : max	203.9°F
LI01 : min	106.6°F



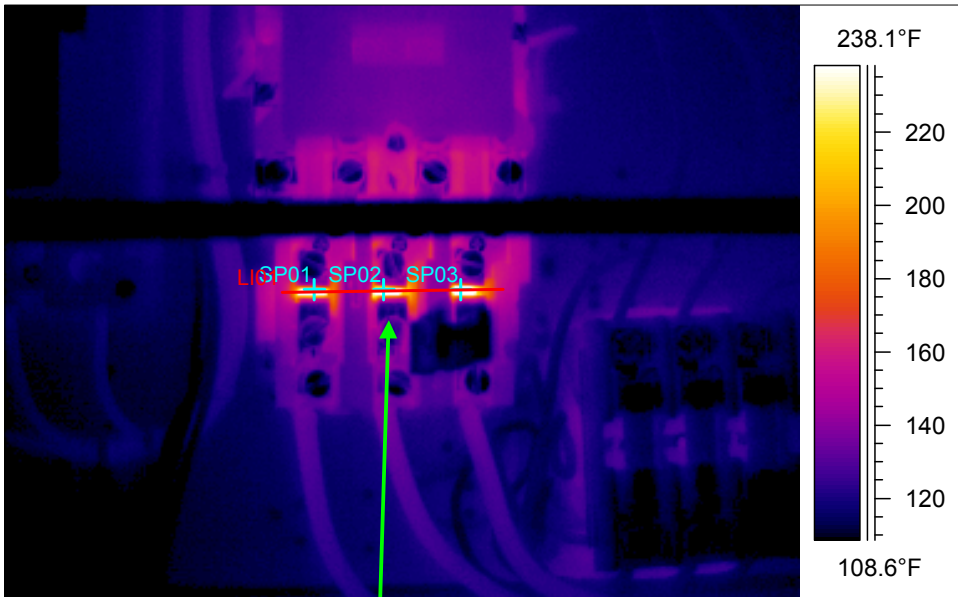
<b>Fault</b>	None
<b>Defect Rating</b>	None

## Recommendation

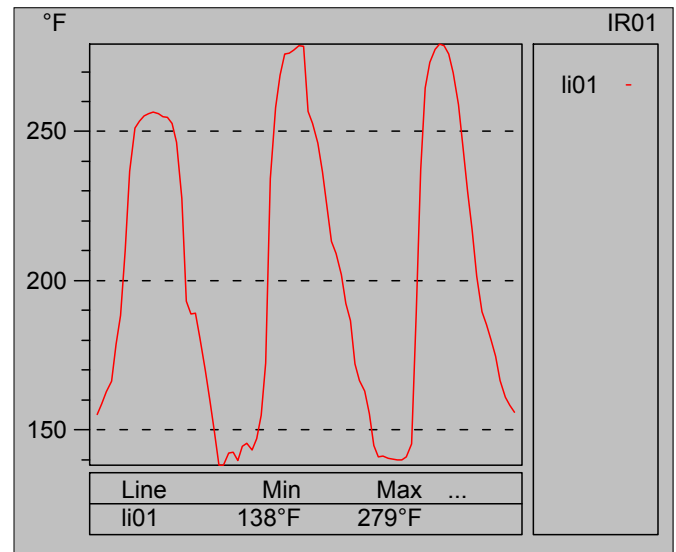
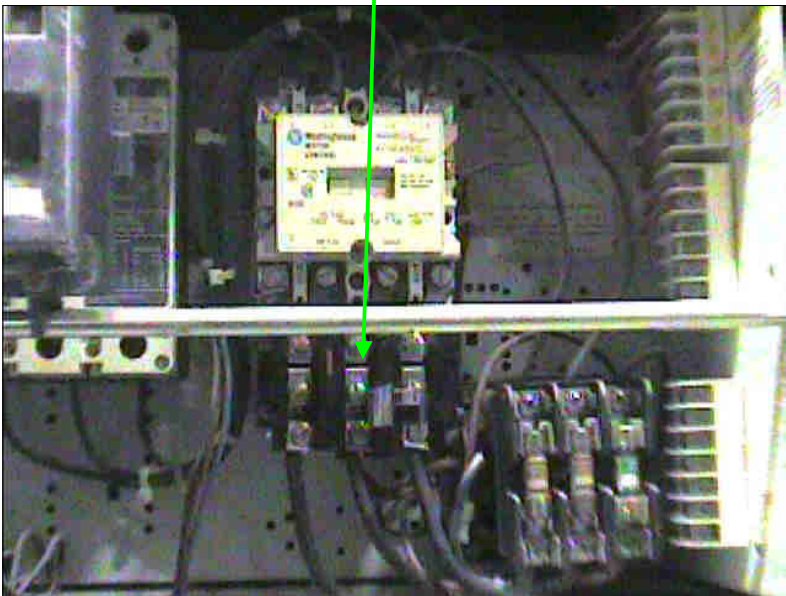
This IR image is a recheck. Other than possible high load, this looks ok after repairs.



Component	Equipment/Bucket ID	Plant/Area	Date
Heaters	MCC7D1/M5247 Wet Zone Burner Room N Exh. Fan	Board Line	7/1/19



Label	Value
IR : max	289°F
IR : min	95°F
SP01	239°F
SP02	261°F
SP03	277°F
LI01 : max	279°F
LI01 : min	138°F



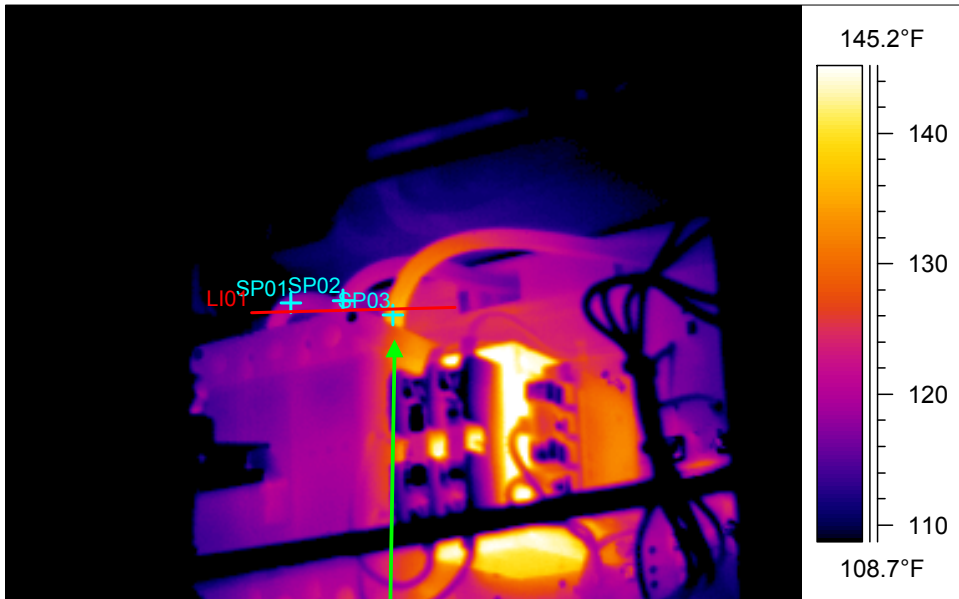
<b>Fault</b>	Possible Heater Issue
<b>Defect Rating</b>	<b>CLASS II</b>

## Recommendation

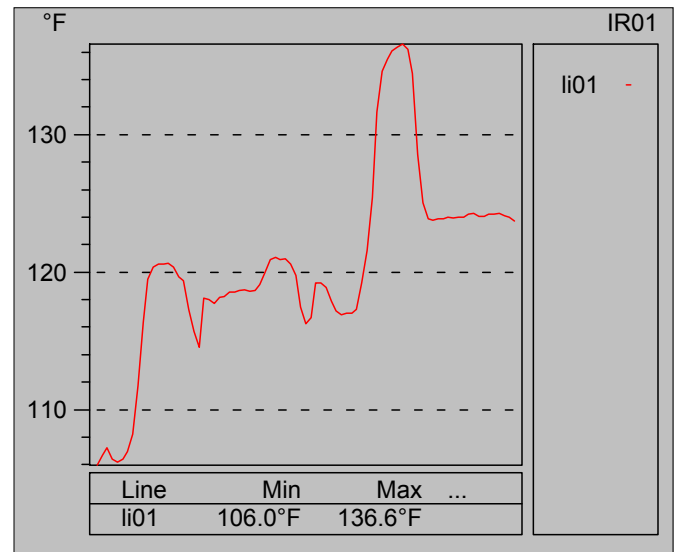
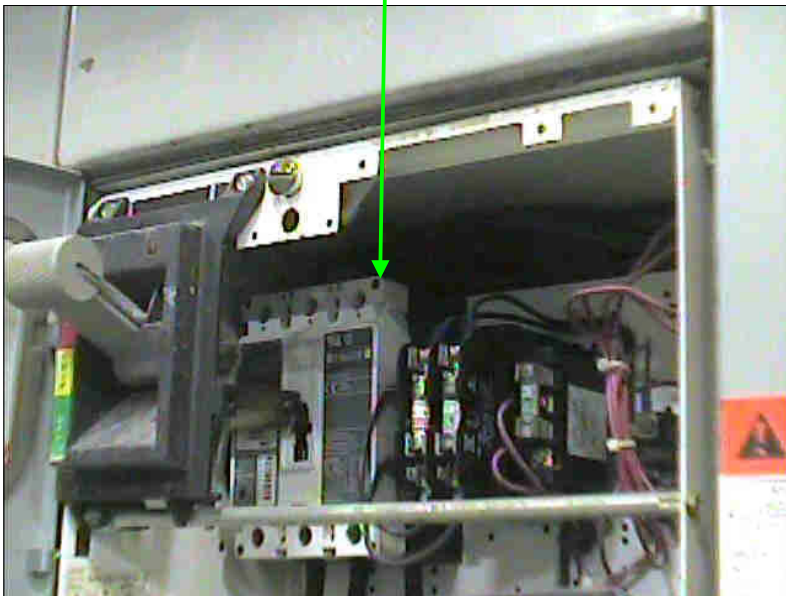
All three heaters appear to be very hot. This may be due to issue with the heaters. It is recommended to replace heaters and recheck.



Component	Equipment/Bucket ID	Plant/Area	Date
N/A	MCC-1CB2 Hydropupler Dump Chest Agitator	Reclaim	7-9-18



Label	Value
IR : max	148.5°F
IR : min	87.8°F
SP01	119.2°F
SP02	121.5°F
SP03	136.2°F
LI01 : max	136.6°F
LI01 : min	106.0°F



<b>Fault</b>	None
<b>Defect Rating</b>	None

## Recommendation

Recheck shows that issue has been resolved. No further action is needed.