



Infrared Thermography Report

ESSEX POWER PLANT

November 23, 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.



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.

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	Starter/Heater
Equipment/Bucket ID	Lube oil pump 2



Sp1	148.1 °F
Sp2	89.6 °F
Sp3	79.3 °F
Li1 Minimum	73.2 °F
Li1 Maximum	155.3 °F
Areas	-





Fault	A phase contact heater and connection.
Defect Rating	Class II

## Recommendations

The A phase has a very high delta compared to the other legs in the starter. We suspect either a worn main contact in the starter, or a loose lug connection at the heater top. Inspect the starter and all contacts. Repair or replace as needed to control the temperature. Repair as soon as possible.



## Summary

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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 Level I Infrared Thermographer

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