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ESSEX POWER PLANT AECI

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Job Number	140513
Survey Date	10-18-19
Report Date	10-22-19



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 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.

<u>CLASS II</u> - 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 should be given to an unscheduled shutdown to correct.

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
Starter/overload	Lube oil Pump 2 2m	MCC	10-18-19
LIO1 SP12 SP01	SP03	163.3 °F - 160 - 140 - 140 - 140 - 120 - 120 - 120 - 120 - 120 - 100 - 100 - 100 - 100 - 100 - 101 mit	Value *286.0°F 68.3°F 205.9°F *284.5°F 95.8°F ax *284.5°F n 80.8°F
		°F 250 200 150 150 Line N li01 80.8	IR01
Fault	Poor connection at starter hea	ater or contact	

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Defect Rating	Class III
Fault	Poor connection at starter heater or contact

Recommendation

Infrared image shows temperatures at near 300 Degrees F for phase A of the starter. We suspect a loose connection at the heater or poor connection at the starter contact. Inspect and repair as soon as possible. (Note: Heater connections were tightened during the service and the temperature appeared to drop, but the unit should be checked again very soon)