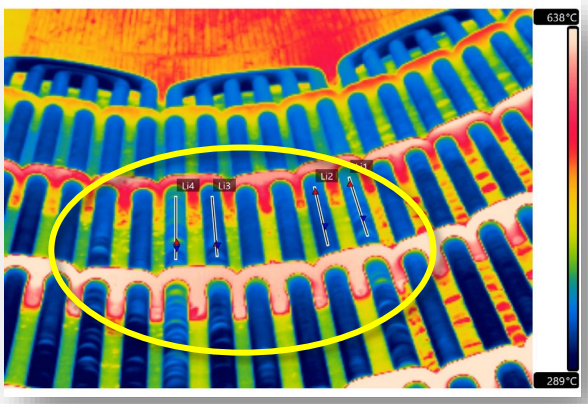
Infrared Boiler Inspections

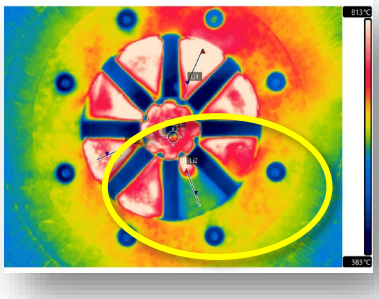
Why use infrared?

- Pinpoint the exact location of overheated tube surfaces.
- Data trending to determine repair/pigging scope or requirement prior to planned shutdowns.
- Internal imaging of tube conditions, including warping and mechanical failures.
- Diagnose burner issues & reduce/prevent flame impingement damage.

Internal Scale Development



Nozzle Issue



How do we do it?

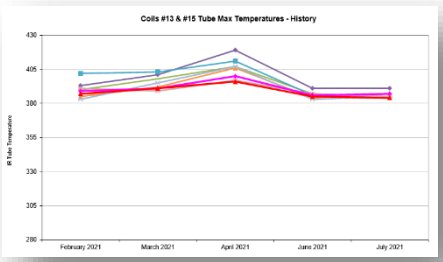
- Working continuously for over 30 years with infrared technology and our clients, we have developed the most accurate inspection techniques and reporting.
- By designing custom inspection ports that can be safely installed while the boiler is firing, we eliminate down time and impact on operations.
- Using a FLIR GF309 camera, the Technicians capture calibration and correction images to ensure the highest of accuracy for our trending and reports.
- Over 100 digital Infrared images are taken of the internal boiler tubes and burner; we then analyze and report on all aspects of the boiler's internal equipment.

Custom Port Installation

Want to see more?

- Infratech has worked with manufacturers such as TIW, Heatec and Petro Tech to develop, design and install ports that allow thermographic imaging to occur. Factory ports are typically not capable of this.
- We have our own engineering and drafting department who create options that can then be manufactured by our fabrication shop to suit your needs.

Tube Surface Data Trending



What does your data look like?

- We will create digital reports to suit your needs. Our typical report will include:
  - Thermographic images for visual indication of tube and burner conditions.
  - Imaging of areas of concern.
  - Historical Graphs showing tube surface temperature trends.
  - A detailed summary and recommendations written by our experienced and trained Inspection Technicians.

3415-35th Ave, Whitecourt, AB T7S 0B5 P: 780-778-4226 TF:1-888-377-5432 E: sales@infratech.ca Web: Infratech.ca