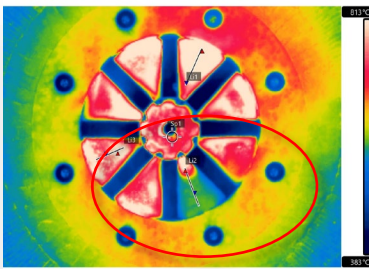


Infrared Boiler Inspections

Why Infrared Boiler Inspections?

- See why you are losing performance
- Pinpoint the exact location and cause of overheated tube surfaces
- Monitor tubes for combustion or scale build-up trends & warping
- Diagnose flame issues & reduce/prevent impingement damage
- Determine repair/pigging scope or requirement prior to shutdown

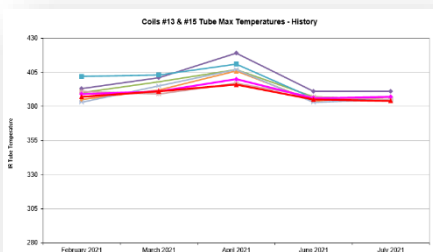
Fouled burner nozzle



Want to see more?

- Infratech has worked with manufacturers such as TIW, Heatec and Petro Tech to develop and design and install ports where factory ports were not installed allowing imaging where it was not possible before.
- We have our own engineering and drafting department who create options that can then be manufactured by our fabrication shop to suit your needs.

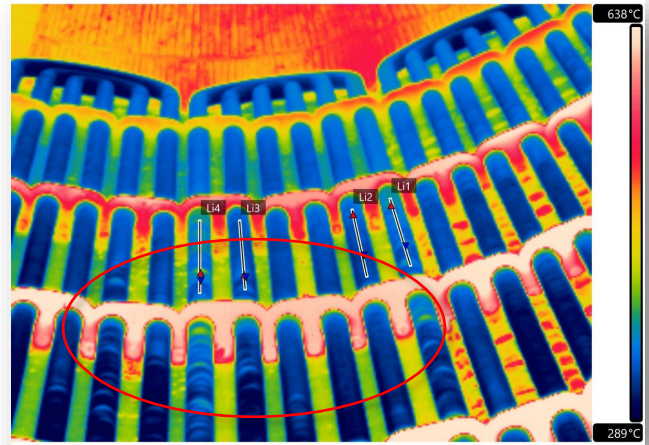
Tube temperature trend graph



What does your data look like?

- We will create digital reports to suit your needs. Our typical report will include.
 - Thermal images showing general health
 - Thermal images of areas of concern
 - Graphs showing your historical temperature trends
 - A detailed summary and recommendations written by our inspectors

Internal scale development



How do we do it?

- Infratech has continuously worked over 30 years with infrared technology and our clients to develop Infrared boiler inspections
- We have developed an inspection port that can be safely installed while the boiler is firing
- There is no down time or impact on operations
- Using our FLIR High temp cameras, we take calibration and correction images
- Over 100 digital Infrared images are taken of the internal boiler tubes
- Images are reviewed by our Inspector and reporting staff, correction factors are applied and your report is generated.

Custom Port Installation

