

Case Study 8: Corrosion Under Insulation (CUI)

Corrosion under insulation (CUI) is a major problem in the petrochemical industry. Guided wave testing can inspect long lengths of pipes under insulation, such as mineral wool or PE foam materials, requiring the removal of only a short section of insulation.¹

Job Details

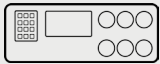
- 8 " Jet fuel line
- Painted pipe surface
- Mineral wool insulation
- Pipe resting on simple supports

¹ GWT is the method recommended by API.

Main Findings

- An area of corrosion was positively identified under insulation
- Removal of insulation confirmed the presence of heavy corrosion allowing direct examination

Equipment:



Wavemaker® G3



Inflatable Ring



An overview of the 8" insulated pipe resting on the pipe rack.



An area of severe corrosion on the 8" insulated pipe.

