

Case Study 10: Locating Defects in Elbows

Bends or elbows are common pipe fittings which are susceptible to corrosion and erosion. Using the C-Scan, defects at elbows can be detected and prioritised.

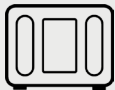
Job Details

- 16" Crude Oil line
- Tight 1D elbows

Main Findings

- Defect located in one of the two elbows within the test range.
- The defect is circumferentially aligned with the outer radius where the erosion type defects are commonly found.
- UT confirms the elbow defect has a 65% wall loss.

Equipment:



Wavemaker® G4^{mini}



EFC Inflatable Ring



A view of the inner radius of the 1D elbow.



A view of the outer radius of the 1D elbow.

