

Case Study 11: Wall Penetrations

Wall penetrations are a common feature within oil and chemical plants to control spillage of products, or as pipe anchors.

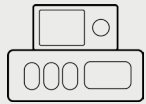
Job Details

- 16" Crude Oil line
- Spiral wrap insulation
- Concrete anchor supports

Main Findings

- HD ring increases the sensitivity in defect detection
- HD ring reduces the influence of the interface
- Severe defect was identified at the interface location, 1.5m from the ring

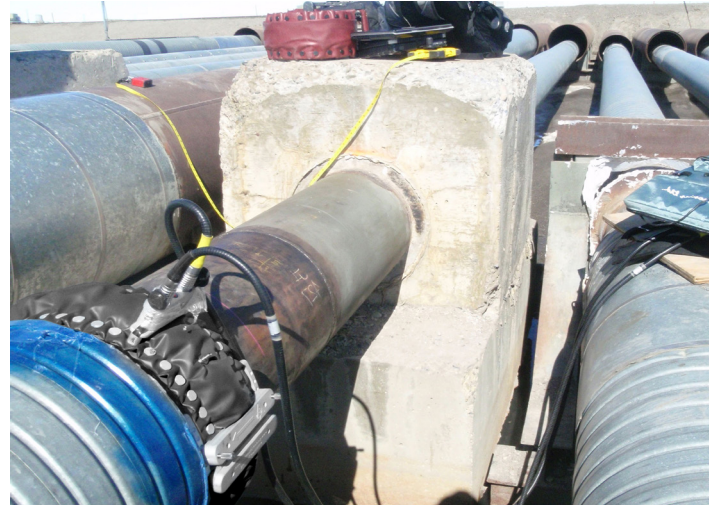
Equipment:



Wavemaker® G4



HD Inflatable Ring



Guided wave testing of concrete anchor location on a 16" oil line using a HD inflatable ring.



A corrosion patch found at the interface location.

