Guided Wave Testing Case Study 8
Internal Corrosion

The GUL Wavemaker® utilises wave modes that energise the entire volume of the pipe, therefore it is ideal for the detection of internal corrosion.

**Job Details**
- 6\(^\text{th}\) crude oil line
- Non-painted surface
- Desert terrain with no pipe supports
- Partially buried in sand

**Main Findings**
- Over 20m of pipe was inspected from a single location
- Several locations of internal corrosion were positively identified.
- B-Scan prove up confirms the defect severity

**Equipment:**
- Wavemaker® G4
- Inflatable Ring

An overview of 6\(^\text{th}\) flow line.

B-Scan prove up at the severe defect location which confirms the internal corrosion.

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