

Guided Wave Testing Case Study 9 Permanently Installed Monitoring System (PIMS)

The gPIMS® system is GUL's permanently installed pipe monitoring system, which is the economical solution to reinspection of inaccessible pipes and corrosion monitoring through frequent data collection.

Job Details

- 8" Crude Oil line
- Pipe resting on simple supports
- Sleeved pipe through road crossing

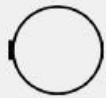
Main Findings

- Corrosion under pipe support in the inaccessible area was successfully monitored.
- Remaining life was estimated to be 2 years before wall thickness reaches 50% wall loss

Equipment:



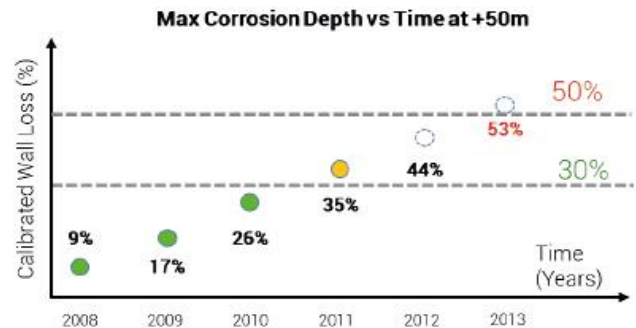
Wavemaker® G4mini



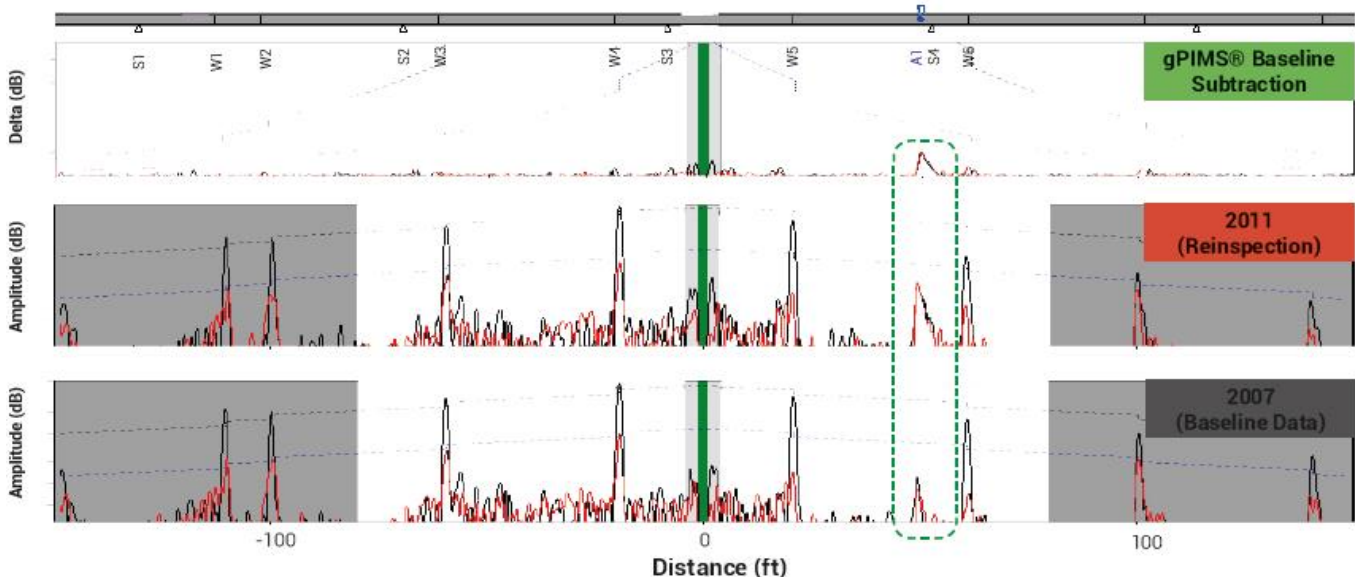
gPIMS® Ring



An overview of the 8" road crossing pipe monitored using gPIMS®.



Graph of estimated maximum corrosion depth against inspection year with two years forecast.



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