

Another Problem Solved by PipeServ

Location: Papua New Guinea

Application: Repair to Pipeline Erosion

PipeServ was able to offer a solution in repairing a pipeline with internal wall loss. Increased levels of sand from a well site had caused significant internal erosion at this tie-in point. Any further wall loss would cause this pipeline to be de-rated and cause significant losses to production.

The RAMFILL-B+RE epoxy filled sleeve was offered by PipeServ. The Ramfill sleeve would encapsulate the 12" pipeline but also the branch and flange (below the valve). Once welded; the sleeve will be filled with liquid epoxy, filling the annulus between pipe and sleeve.

The RAMFILL Repair Sleeve was a cost effective and safe solution. The installation included:

- * Grit blast the pipeline and branch.
- * Apply RAM paste as corrosion inhibitor.
- * Fit the RAM sleeve and complete welds.
- * NDT to all welds.
- * Pump RAM liquid epoxy to fill the sleeve.

The RAMFILL Repair Sleeve provided full encapsulation repair and is rated to the pipeline design pressures and temperatures as specified by the client. The epoxy filler is multi-purpose; providing for corrosion protection, leak sealing and for load transfer of pipeline to sleeve. This repair is permanent and was completed on-line with no loss to production.



INTERNAL EROSION CAUSED BY SAND



SLEEVE FITTED AND BEING WELDED



RAMFILL SLEEVE FULLY INSTALLED: WELDED, NDT INSPECTED & FILLED WITH RAM LIQUID EPOXY.