

Another Problem Solved by PipeServ

Location: Victoria, Australia

Application: Pipeline Dent Repairs

PipeServ was able to offer a solution in repairing a pipeline with a series of dents. An intelligent pigging inspection reported a series of dents along this pipeline. The decision was made to apply steel sleeves rather than cut-out and replace each dented pipe.

RAM-100 International and PipeServ were able to offer the custom design and manufacture of repair sleeves to meet the specifications. This specification included the sleeve materials, origin of manufacture, NDT inspections, wall thickness and various length of sleeves. The added requirement was for the sleeves to have an enlarged belly diameter, allowing for pipe ovality (caused by the dent).

RAMFILL-B+RE Sleeves are custom designed and manufactured to suit any repair. Our rolling process allows us to provide the required annulus around the pipeline defect. This annulus is then filled using 100% solids liquid epoxy. This epoxy provides for corrosion protection, leak protection and load transfer between pipeline and 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, completed on-line with no loss of production.



PIPELINE BEING GRIT BLASTED



SLEEVE FIT-UP PRIOR TO WELDING



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