

Another Problem Solved by PipeServ

Location: Papua New Guinea

Application: Pipeline Dent Encapsulation

PipeServ was able to offer a solution in repairing of a pipeline with a large dent (caused by a falling tree). This DN350 trunkline was highly productive and could not be shut-down to allow for pipe cutting and welding without causing significant revenue losses.

This pipeline owner had previous experience in using the RAMFILL-B+RE epoxy filled sleeve; making their repair decision much easier. PipeServ was asked to assist in the manufacture, supply and installation of the Ramfill sleeve would encapsulate the 14” pipeline.

The sleeve needed to allow for the large dent which also caused pipe ovality over a wide area. The sleeve was custom manufactured to suit; resulting in a 3.0m long sleeve and with DN500 enlarged body section. Once welded; the sleeve will be filled with 100% solids liquid epoxy, filling the annulus between pipe and sleeve.

The RAMFILL Repair Sleeve provided full encapsulation repair of the dent 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 and no loss of production.



CLOCK SPRING WAS APPLIED, AT THE TIME, AS AN EMERGENCY REPAIR.



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