

## Another Problem Solved by PipeServ

**Location: Papua New Guinea**

**Application: Repair to Leaking Clamp**

PipeServ was able to offer a solution in repairing a pipeline repair clamp that had begun leaking from the seals. This DN200 ANSI 600# oil pipeline and could not be shut down without significant cost to production.

Several options were considered, including:

- Continue operations until the next shutdown.
- Removal of the clamp to replace the seals.
- Hot tap and stopple to allow for seal replacement.
- Encapsulation of clamp using a RAMFILL sleeve.

After further consideration and several risk assessments; the decision was that the RAMFILL Repair Sleeve was the most cost effective and safe solution. The installation included:

- Apply RAM epoxy paste to seal the leak.
- Grit blast the clamp and pipeline.
- Apply RAM paste to clamp and pipe.
- Fit the RAM sleeve and weld.
- NDT of all the 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 of production.



PIPELINE WITH REPAIR CLAMP BUT NOW LEAKING FROM THE SEALS.



LEAK SEALED AND RAMFILL SLEEVE FITTED READY FOR WELDING.



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