

SYLWRAP Case Study



Libya 200mm 44 Bar Fuel Oil Line Repair

An underground oil line in Brega operating at temperatures up to 70°C and under 44 bar pressure undergoes repair after heavy corrosion led to a crack



Pipe covered in dirt, rust and oil following excavation



Oil was escaping from a crack caused by corrosion



Multiple Wrap & Seals sealed the crack on the line



SylWrap HD reinforced and protected the repair

Defect

Excavation of the line revealed that it was in terrible condition, badly pitted and covered in oil which had escaped from a small crack caused by corrosion.

Any repair made to the 200mm pipe needed to withstand the operating pressure of 44 bar and the maximum service temperature of 70°C.

Solution

Prior to the repair, the pipe was cleaned as best as it could be. Oil and dirt were removed to enable a good connection between the surface and **Wrap & Seal Pipe Burst Tape**.

Multiple tapes were applied over and around the crack, self-amalgamating to each other to build up a repair pressure resistant to the required 44 bar.

Once it had been established that the leak was sealed, the repair was overwrapped with four **SylWrap HD Pipe Repair Bandages** for further reinforcement and protection of the line before it was re-buried.

Result

Wrap & Seal and SylWrap HD are effective up to 250°C and using multiple products created a repair capable of withstanding the pressure.

It took under two hours to complete the application, notwithstanding the time needed to excavate, inspect and prepare the pipe.

The team who carried out the job have since used Sylmasta products to seal other oil lines in the region, taking advantage of the ease and speed of repair made possible by the SylWrap range.

