

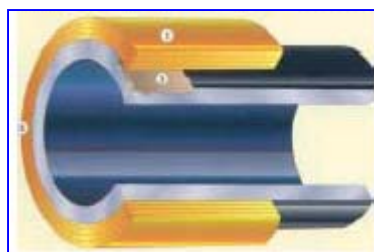
CLOCK SPRING®

Case Study Sabotaged Lines in Colombia

Colombia experiences an average of 100 sabotage terrorist attacks on their pipelines every year. In most cases the attacks are conducted by placing dynamite on the actual line, causing ruptures that lead to spills and major dents that leave the lines inoperable. To make these repairs, the pipeline operators must shut down their line, cut out the defected pipe and weld a new section of pipe. This leads to loss of production and revenue.



In 1999, Clock Spring® was among a group of alternative pipeline repairs tested to save time and money on sections of pipe that were affected by actual dynamite explosions. A total of 15 pressure cycles were conducted, each cycle lasting 15 minutes. The pipe diameter measured 24" and 24' in length. The defect length was 6'. The resulting dent was significant with deflection of 75% of pipe diameter and complex geometry. This repair required over 150 filler kits and (87) 4" wide 24" in diameter Clock Spring® kits. Clock Spring® was the only wrap that was taken to failure at 1800 psi. All other wraps failed before the 6th cycle.



Simply the smartest pipeline repair decision you can make!

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