

SuperCorr[®] Solves Corrosion Issue in 24" Pipeline

Technical:

SuperCorr is a patented, binary corrosion inhibitor designed for use in pipeline applications in sweet and sour environments.

Coupon removed and weighed after 108 days showed a very low corrosion rate of 0.0196 mpy.



coupon before cleaning



coupon after cleaning

Challenge

A Smart Pig indicated severe internal corrosion pitting of a 75 km pipeline.

Allowing the pipeline to go out of service would have resulted in 110 mmscf per day loss of throughput.

Customer was looking for a solution to alleviate shut down, increase gas volumes and line pressure for additional throughput.

Solution

Based on analysis, SuperCorr applied twice a year was determined as the most suitable treatment program.

Iron/Manganese ppm levels along with corrosion coupon monitoring were initiated.

Benefit

Since the start of the SuperCorr application, the customer has seen throughput volumes increase from 110 mmscf to 140 mmscf and line pressures increased by 150 p.s.i.

There have been no failures since the start of the SuperCorr application.



24" pipeline corrosion failure prior to application of SuperCorr[®]



Pipeline piece treated with SuperCorr[®]