

SuperCorr[®] PT Corrosion Inhibitor has Long-Lasting Effectiveness on Pipelines

SuperCorr[®] PT is a unique binary corrosion inhibitor designed for use in pipeline applications in both sweet and sour environments.

PureChem Products
SuperCorr[®] PT

Challenge

The customer commissioned a new 16" line and wanted the best internal corrosion protection on the new line.

Solution

SuperCorr PT was applied to 60 km of 16" pipeline within the first three weeks of the line being in service. A 3 mil thickness was applied between cup pigs.

Benefit

The customer used an ILI tool to take a baseline reading 10 days after the initial SuperCorr PT application. The readings revealed many pre-existing, deep, internal anomalies caused by the pipe manufacturer's seam grinder.

After verify the ILI findings with cutouts, portions of the pipeline were replaced 15 months later. Sections of the removed pipeline were analyzed in our laboratory and showed the SuperCorr PT film had remained on the pipeline wall at an effective thickness 15 months after treatment.

SuperCorr PT continues to be reapplied every 12-13 months with no failures to date.

	Piece A 42 km from Treatment Point	Piece B 56 km from Treatment Point
Average thickness at 6 o'clock position	0.55 mil	1.11 mil
Average thickness at 8 o'clock position	1.08 mil	0.86 mil
<p>Readings were taken with a DeFelsko PosiTector 6000 which uses the magnetic induction principle to measure the film's thickness.</p> <p>Minimum thickness for effective corrosion protection is 0.15 mil.</p>		