

SYNTHO-GLASS®

PIPELINE INSTALLATION: GATE VALVE



Problem

The gate valve coupling is showing major distress areas and is on the verge of a catastrophic breakdown.

Conditions

The gate valve has major corrosion and wall loss. Several pinhole size leaks have already begun to form, making the impending repair even more critical.

Solution

In order to promote adhesion, the pipe was cleaned by removing rust, paint, and other foreign matter in accordance with Sa2.5, NACE 2 or near white metal. It was then coated with a two part Syntho-Subsea™ Kevlar® reinforced epoxy. The two part epoxy halted the corrosion and ensured a water tight seal. The valve was then wrapped with multiple layers of Syntho-Glass® which provides structural integrity to the repair system.

Result

The repair was an immediate success, as the gate valve now has even more strength than the original pipe and valve at the time of installation. The valve once again meets the MAOP and is also protected from further corrosion.

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