

SYNTHO-GLASS[®] XT

NATURAL GAS PIPELINE INSTALLATION



Problem

1275 psi (87.9 bar) carbon steel schedule 40 natural gas transmission line with 50% wall loss at the ground to air interface. Shutting down was not an option.

Conditions

DOT regulated, high consequence natural gas pipeline located in a residential area next to an interstate highway.

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.

Syntho-Steel[™] Load Transfer Putty fills all pits, dents, and other anomalies effectively transferring the hoop load to the high tensile strength composite.

Syntho-SubSea[™] High Compression Kelvar[®] filled Epoxy ensures a water tight seal over the repair area while providing chemical resistance.

Syntho-Glass[®] XT Extreme Tensile Strength Composite, a bi-directional fiberglass, permanently repairs and reinforces both the internal and external corrosion damage.

Result

Syntho-Glass XT fully restored the pipe's hoop and axial strength to enable operation at full MAOP. Syntho-Glass XT saved thousands of natural gas home owners from being without service. The gas transmission company saved time, money and maintained good public relations. How can Syntho-Glass XT help you?



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