

BELZONA REPAIRS PIPES TRANSPORTING SULFURIC ACID

ID: 232

Industry: Chemical & Petrochemical
Application: VPF-Valves, Pipes and Fittings
Substrate: Stainless steel
Products: * Belzona® 4301 (Magma CR1 Hi-Build) ,
* Belzona® 4311 (Magma CR1) ,
* Belzona® 9341 (Reinforcement Tape) ,

Customer Location: Refinery in Minnesota, U.S.A.
Application Date: 1996

Problem

Thin spots were detected on the pipe by UT inspection. The pipe required reinforcement.



Photograph Descriptions

- * Following surface preparation by cleaning, Belzona® 4301 was applied with reinforcement tape ,
- * Finishing touches with a top coat of Belzona® 4311 ,
- * Finished job ,

Application Situation

Pipe carrying sulfuric acid at 80 psi.

Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet VPF-11a.

Belzona Facts

Belzona® 4300 Series Magma Polymers resist sulfuric acid at concentrations up to 98%. Prior to this repair the customer conducted a test to evaluate the Belzona materials. A hole was drilled through a mock pipe, and the Belzona Polymers were applied with a reinforcement sheet. The pipe held to 800 psi before leaking.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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manufactured under an ISO
9000 Registered Quality
Management System.

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