

PIPE ELBOW REPAIRED AND PROTECTED WITH BELZONA

ID: 5815

Industry: *General Industry*
Application: *SHM-Solids Handling Machinery*

Customer Location: *Arthur, ON, Canada*
Application Date: *March 2015*

Substrate: *Light gauge mild steel*
Products: ** Belzona 1111 (Super Metal) ,*
** Belzona 1812 (Ceramic Carbide FP) ,*
** Belzona 4151 (Magma-Quartz Resin) ,*
** Belzona 9381 (Reinforcement Sheet) ,*
** Belzona 9811 (Alumina Tiles) ,*

Problem

The blast material going through the pipe wore a hole to the side of the pipe elbow.



Photograph Descriptions

- * Prior to application ,
- * Application in progress ,
- * Completed application ,

Application Situation

The pipe for the return air and media blast material from the blast machine.

Application Method

The application was carried out in accordance with Belzona Know-How System leaflet SHM-8 for rebuilding worn pipe elbows. Belzona 9811 was bonded to the outside of the elbow with Belzona 1111. Then, Belzona 9811 was grouted using Belzona 1812 to

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FS 695214
ISO 14001:2015
EMS 695213

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fill in all the gaps with the abrasion resistant material. Then, Belzona 9381 was wrapped around the elbow wetted out with Belzona 4151.

Belzona Facts

The customer was replacing the pipe with a new pipe, which was very costly. The Belzona repair didn't just save the customer money, it also lasted longer than just the pipe alone.

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