

BELZONA HANDLES STRESS CRACK CORROSION AT A JUICING PLANT

ID: 7641

Industry: Food & Drink

Customer Location: Florida, USA

Application:

Application Date: Winter 2016

Substrate: Stainless steel pipe

Products:
* Belzona 1391T ,
* Belzona 1511 (Super HT-Metal) ,
* Belzona 9341 (Reinforcement Sheet) ,

Problem

Stress crack corrosion leaking hot water out of the pasteurization pipes onto other pipes and machinery.



Photograph Descriptions

- * 1. Previously failed fiberglass wrap ,
- * 2. Belzona 1511 wrapped over the 1st coat of Belzona 1391T ,
- * 3. Applying the final coat of Belzona 1391T ,
- * 4. Two of the four pipes with Belzona solution ,

Application Situation

Client called with an ongoing issue of leaking hot water from stress crack corrosion on stainless steel pasteurization pipes. The previous solution, a fiberglass wrapped system, failed after a month of operation. The surface temperature range from 175°F to 250°F max.

Application Method

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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Repair • Protect • Improve

The repair was carried out in accordance with a modified version of Belzona Know-How System Leaflet HEX-9. Belzona 1391T was applied by brush onto the blasted substrate. The reinforcement sheet was wetted out with Belzona 1511 (Super HT-Metal). 3 wraps were required to wrap the pipe and to make sure the first coat of Belzona 1391T was well embedded into the substrate. Finally, the second coat of Belzona 1391T was applied by brush.

Belzona Facts

The cost of downtime from constant repairs vs. the one time cost-effective solution of Belzona was a huge savings in future operation costs.

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