Heat Exchanger Emergency Repair with Belzona Superwrap II
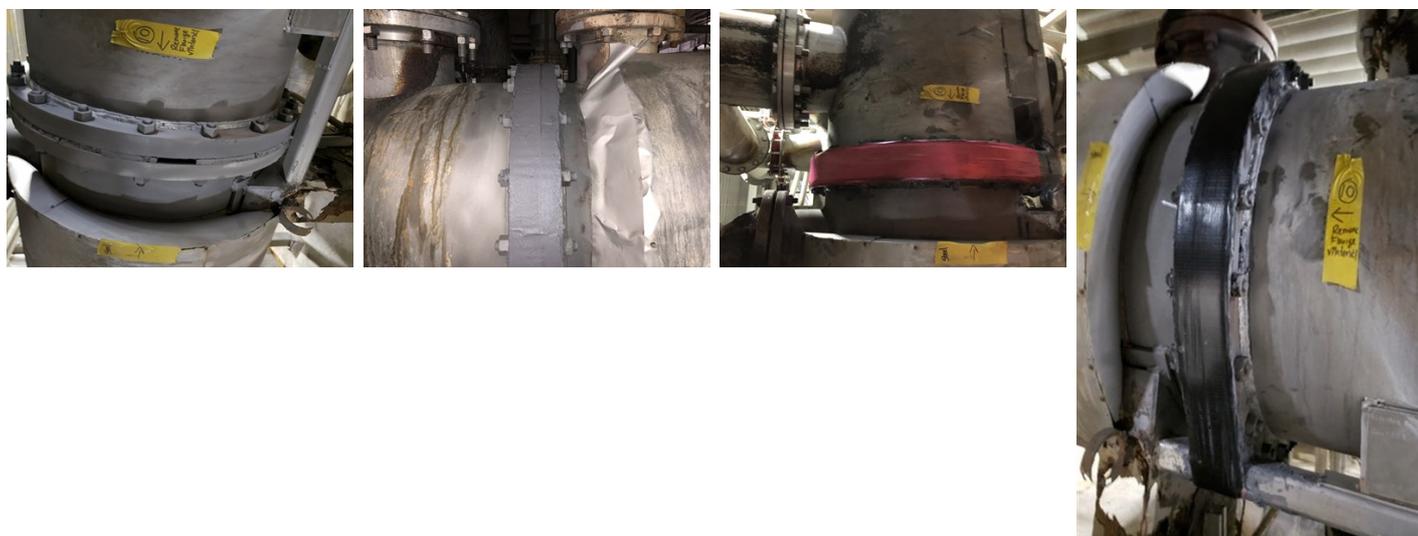
Industry: *Food & Drink*
Application: *HEX-Heat Exchangers*
Substrate: *Steel*
Products:
* Belzona 1511 (Super HT-metal) ,
* Belzona 1983 (Superwrap II) ,
* Belzona 9831 (SWII Reinforcement Sheet) ,
* Belzona 9382 (Release film) ,

Customer Location: *Washington*
Application Date: *August 2020*

Problem
The flange failed which needed a high temperature solution to delay replacement until the next shutdown.

Photograph Descriptions
* 1. Grit Blasted Flange ,
* 2. 1511 HT Packed into flange and encapsulated entire circumference. ,
* 3. Heat Exchanger Flange wrapped with Superwrap II and consolidation film. ,
* 4. Final Product after 48 hour cure. ,

Application Situation
Heat Exchanger flange at a local food plant was leaking heavily.

Application Method
Grit Blasted Flange,the the flange was packed in with Belzona 1511 applied over entire repair area, filling any voids. Applied Belzona 1983 resin to the surface and the started the wrap with Belzona Superwrap II .

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Belzona Facts

The customer needed a solution until capital improvement funds came through to replace the unit. Belzona products were utilized as a "band-aid" originally to get to the next shutdown. However, the repair is still in service without any leaks almost a year after install. The customer is very happy with the repair and so far has saved $500,000+ in downtime and replacement costs.