

Belzona 1212 for Emergency pump repair

ID: 8489

Industry: *Water / Wastewater*
Application: *PDP-Positive Displacement Pumps*

Customer Location: *Washington*
Application Date: *April 2021*

Substrate: *Steel*
Products: ** Belzona 1212 ,*

Problem

A faulty section of weld on the lower side of the pump was leaking raw sewage.



Photograph Descriptions

- * 1. Original condition of the pump. ,
- * 2. Paint removed and ready for the 1212. ,
- * 3. First application of 1212 with a small drop of water on the left side. ,
- * 4. Second application of 1212 and leak sealed. ,

Application Situation

Wastewater lift station pump

Application Method

The location of the faulty weld was tight and difficult to reach, but a dremel tool was able to just reach in and remove the paint and corrosion and roughen the surface. During the application the pump was not running, but there was still a small amount of water pressure causing a slow seeping drip. Belzona 1212 was mixed according to the IFU and allowed to sit on the mixing board until only 45 seconds of working life was remaining. Then the 1212 was quickly applied over the active seep and pushed into place by hand. This slowed the seep considerably, and one final batch of 1212 was mixed and applied in the same manner which stopped the leak completely.

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

Belzona products are
manufactured under an ISO
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Belzona Facts

The cost to replace this pump would be in the \$20,000.00 range, and to remove the pump to reweld the area would probably cost around \$5,000.00. The Belzona solution of using Belzona 1212 allowed for a repair using a small amount of material, and an hour of time, and was carried out while the pump was in its usual rotation of not being used.

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