

Belzona 1212 Keeps The Dredging Pontoon Afloat

ID: 8297

Industry: Mining & Quarrying
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Steel
Products: * Belzona 1212 ,

Customer Location: NW Washington
Application Date: 7/2020

Problem

After many years of use, the pontoon on this dredge had been struck by boats and possibly run against the bank causing dents and damage to the original coating. Over time this caused corrosion and developed holes allowing water to leak into the pontoon. Due to the original coating being coal tar, and the location of the holes, welding was not a safe option. The leaks into the pontoon had grown enough to the point that in order to keep the dredge afloat, the pontoon had to be pumped out at the end of every shift.



Photograph Descriptions

- * Google view of the dredge ,
- * The damaged areas prepped ,
- * Application completed ,

Application Situation

Sand and gravel dredge.

Application Method

It was discovered that if the hopper on the dredge was allowed to fill up, the dredge would tip just enough to lift the damaged

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section out of the water, and expose it for the application. A grinder was used to remove the original coating and corrosion and leave the surface very rough. Belzona 1212 was then mixed and applied over the prepared areas. The dredge was then put back into operation and the hopper was emptied which immediately returned the pontoon to its normal position with the repaired sections underwater.

Belzona Facts

Roughly 1/3 of a 450 gm unit of Belzona 1212 was used for this repair, which put the material cost of this application well under \$100 USD. The downtime of the dredge was less than 30 minutes. After 3 days, there has been no additional water leaked into the pontoon, and the customer is very satisfied.

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