

Excavator external fuel tank

ID: 9936

Industry: Mining & Quarrying
Application: TCC-Tanks and Chemical Containment Areas
Substrate: Carbon steel
Products: Belzona 5811 (Immersion Grade)

Customer Location: Oklahoma
Application Date: March 2023

Problem

Excavator external fuel tank had rust and pitting on the outside of the tank from years of work in the mining industry. It was painted for years but it was still rusting.



Tank prior to application



First coat with Belzona 5811



Second coat with Belzona 5811



Finished application

Application Situation

The outside surfaces were abrasive blasted to obtain a clean and rough surface with an anchor profile of approximately 3 mils. A chloride contamination test was performed after blasting to confirm surface suitability. Degreasing was then carried out using Belzona 9111. Belzona 5811 was, then, utilized to provide corrosion protection.

Application Method

Removed all paint, tar, or any other applied coating, loose surface material, grease, oil, dust, and laitance. Degreased the area, then prepared it via abrasive blasting. Applied Belzona 5811 directly on to the prepared surface with a short-bristled brush. As soon as possible, the second coat of Belzona 5811 was applied.

Belzona Facts

Using Belzona products, which are typically epoxy-based repair composites and coatings, might be preferred over other epoxy solutions due to a combination of factors related to their performance characteristics and the situations in which they are deployed.

For this particular case, a solution like Belzona provided the customer with a long-lasting corrosion protection.

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

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