

LEAK REPAIR AT PICKLING LINE

ID: 9080



PROBLEM

Hydrochloric acid tank in a Pickle line was suffering from chemical attack and developed a leak. They needed a product that had excellent chemical resistance against Hydrochloric acid at high concentrations to stop this leak and protect the outside of the tank.

APPLICATION SITUATION

The Belzona repair offered several significant benefits. Firstly, it provided excellent chemical resistance against hydrochloric acid at high concentrations, safeguarding the tank from further chemical attack and potential leaks. Secondly, the use of Belzona allowed for a cost-effective solution, avoiding the need for costly tank replacements. Additionally, the quick and efficient repair process minimized downtime, ensuring the hydrochloric acid tank was back in operation promptly, saving valuable time and maintaining productivity.

APPLICATION METHOD

Belzona 1511 was used to bond the plate securely along its perimeter, while Belzona 1593 was injected to fill the void and ensure optimal protection against the chemical exposure. To provide comprehensive protection, the top of the plate and its surrounding areas were coated with a layer of Belzona 1593, further enhancing the durability and longevity of the repair.

BELZONA FACTS

Over a span of three years, we maintained consistent communication with the customer and observed that the repair held up exceptionally well. Interestingly, the equipment encountered new leaks in various areas adjacent to the repaired section, but no issues were reported with the Belzona patch itself.

INDUSTRY

Steel & Metal Processing

LOCATION

Nanticoke, Ontario

APPLICATION DATE

November 2017

PRODUCTS

Belzona 1511 (Super HT-Metal)
Belzona 1593
Belzona 9111 (Cleaner Degreaser)

SUBSTRATE

Carbon steel

PHOTOS

1. The substrate chemically attacked from the acid
2. Surface preparation with a grinder to bare metal
3. Cleaned substrate before product application
4. Finished application with Belzona 1593 as top coat

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Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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