

BELZONA CAPITALIZES ON COALESCER

ID: 404



PROBLEM

Microbiologically-induced corrosion (MIC) had severely affected portions of this vessel.

APPLICATION SITUATION

Electrostatic Coalescer.

APPLICATION METHOD

Modified version of Belzona Know-How System Leaflet TCC-5.

BELZONA FACTS

As the damage to the vessel was well defined, only the bottom portion of the vessel was treated. Careful surface preparation was implemented as the microbiological impact over the metal was extensive. Detection tests to confirm microorganisms made it a necessity to carefully clean and prepare the metal surface. Ultimately, the Belzona® 1121 was used to rebuild the corroded areas, followed by Belzona® 5891 as the coating material.

INDUSTRY

Oil & Gas

LOCATION

Oil/Gas Producer - Venezuela

APPLICATION DATE

September 2003

PRODUCTS

Belzona 1121 (XL-Metal)

Belzona 5891 (HT Immersion Grade)

SUBSTRATE

Carbon Steel

PHOTOS

1. Extent of the corrosion due to the effects of the microbiological attack.
2. View of the application underway. Belzona 1121 and Belzona 5891 were used.
3. Final view of the entire bottom portion of the vessel that was treated.
4. Exterior view of the coalescer.

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