

AN OLD STEEL TANK PUT BACK TO SERVICE WITH BELZONA

CUSTOMER

Gulf of Mexico, USA

APPLICATION DATE

August 2016

APPLICATION SITUATION

A neglected steel oil tank that needed to be put back into service.

PROBLEM

Hundreds of holes in the floor and 8" up walls of the interior of this bulk storage tank. Large holes were visible and straightforward to repair. Small holes and metal porosity plague the entire surface.

PRODUCTS

Belzona 1121 (Super XL-Metal)

Belzona 5811 (Immersion Grade)

SUBSTRATE

Carbon steel

APPLICATION METHOD

The application was carried out in accordance with the modified version of Belzona System Leaflet TCC-5 for rebuilding and protecting steelwork. Belzona 1121 was used to cold plate bond steel over large holes and incorporated into Belzona 9341 cloth for smaller ones. Two coats of Belzona 5811 was used over all surfaces to seal micro porosity.

BELZONA FACTS

The two alternatives to the Belzona solution were both costly and dangerous on the platform. Total replacement of the bottom and sides would take months of work and lose the ability of oil storage. Overlay welding and grinding was dangerous and could not guarantee the smallest holes would be sealed.

PICTURES

1. Hundreds of holes in tank floor and walls.
2. Process of Belzona 1121 composite repair and cold plate bonding on floor.
3. First coat Belzona 5811 Grey
4. Second coat Belzona 5811 Black



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