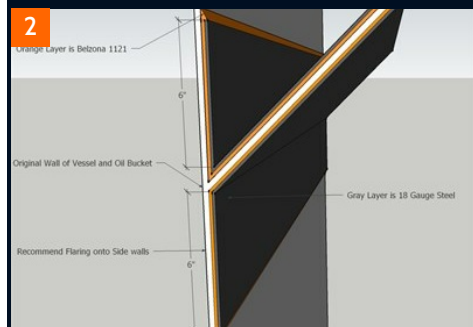


BELZONA RESTORES OIL & GAS FLOAT CELL VESSEL

ID: 5667



PROBLEM

The oil bucket which ran along the length of the vessel was developing frequent through-wall defects. These holes inhibited the float cell from properly separating produced water from oil & gas.

APPLICATION SITUATION

Float Cell Vessel on a deep-water oil & gas platform.

APPLICATION METHOD

The application was carried out in accordance with a modified Belzona Know-How System Leaflet TCC-1 and TCC-3. Belzona 1121 was used to cold-plate bond on both sides of thin-wall/through-wall damaged areas of the oil bucket, and Belzona 5811 was used to coat all internal surfaces for a corrosion barrier.

BELZONA FACTS

The client initially asked for a short-term solution to plug holes in the oil bucket while a new float cell was fabricated. The new float cell was budgeted at US \$500,000 and would include shutting down the production for installation at an approximate cost of US \$1,000,000.00 in lost production per day. When offered a restoration of internal oil bucket through Belzona 1121 cold plate bonding (eliminated hot work), and a Belzona 5811 internal corrosion barrier, the client saw the many benefits and selected this route. The client's selected contractor installed the system in 1.5 weeks with a total cost of approximately US \$50,000, including Labor and Material, and no need to shut down the production. The increased safety of reducing hot work, the direct savings of US \$450,000, and the indirect savings in the millions, have shown this client the benefit of using Belzona to repair, protect, and improve.

INDUSTRY

Oil & Gas

LOCATION

Gulf of Mexico, USA

APPLICATION DATE

May 2015

PRODUCTS

Belzona 1121 (Super XL-Metal)
Belzona 5811 (Immersion Grade)

SUBSTRATE

Carbon steel

PHOTOS

1. Float Cell before. Note oil bucket runs on right hand side of vessel.
2. Cold Plate Bonding illustration generated as part of proposal.
3. Cold Plate Bonding complete on a portion of the float cell.
4. Two coat system of Belzona 5811 installed as a corrosion barrier.

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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

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