BELZONA RESTORES RISER OF OIL & GAS PRODUCTION PLATFORM

Industry:	*Oil & Gas*	Customer Location:	*Gulf of Mexico, USA*
Application:	*SOS-Ships and Offshore Structures*	Application Date:	*August 2015*

Substrate: *Carbon Steel*

Products: * Belzona 1121 (Super XL-Metal) ,
* Belzona 1982 (SuperWrap II) ,
* Belzona 9381 (Reinforcement Sheet) ,
* Belzona 9382 (Release Film) ,
* Belzona 9111 (Cleaner Degreaser) ,

Problem

Riser suffering from corrosion due to the offshore environment required the restoration of metal loss and protection from further deterioration. The asset owner was interested in a compliant composite solution. A metallurgy survey determined there were three sections of the riser that required the installation of SuperWrap II.

Photograph Descriptions

* Condition of riser after abrasive blasting. ,
* Belzona 1982 applied in 5 wraps (10 layers). ,
* Belzona 9382 installed to consolidate the repair. ,
* Completed application - overall view of the three riser sections installed. ,

Application Situation

4" diameter riser on oil & gas production platform.

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Application Method

The area to be repaired was grit blasted to produce SSPC-SP 10 (Near White) with a minimum anchor profile of 3 mils. Belzona 9111 was used to clean and degrease the blasted surface. Belzona 1121 was used to fill pitted areas and restore original wall thickness. Belzona 9381 was saturated with Belzona 1982 and applied onto the riser in 5 wraps (10 layers) in compliance with the engineered design. Belzona 9382 was used to consolidate the repair and removed after the 24 hour curing process.

Belzona Facts

The asset owner required an installation that could be carried out without shutdown/loss of production and the use of hot work was not an option.