BELZONA PROTECTS HYDRAULICS ON WORLDS FIRST TIV

ID: 8139

Industry: *Marine*
Application: *GSS-Gaskets, Seals and Shims*
Substrate: *Coated Steel*
Products: ** Belzona 3412 ,*
** Belzona 8411 ,*

Customer Location: *Turbine Installation Vessel, Teesside, UK*
Application Date: *November 2019*

Problem

This ship was the world's first self-elevating Turbine Installation Vessel. The six legs allow the whole ship to be jacked up in water depths of up to 35m whilst placing offshore wind turbines. The hydraulic pipework for the legs is expensive to replace and previously these complex fittings had been protected with a petroleum tape. These tapes were very difficult to remove and had not proved to be effective protection. The client wanted an effective corrosion barrier that would more easily be applied to the complex fittings and would allow easy access for future work.

Photograph Descriptions

* 1. Turbine Installation Vessel in action ,
* 2. 78mm diameter hydraulic pipework ,
* 3. First coat of Belzona 3412 in progress ,
* 4. Peelable protection completed ,

Application Situation

Hydraulic pipe fittings.

Application Method

The application was carried out in accordance with Belzona System Leaflet GSS-11. The Belzona 8411 was applied to release the areas of the fittings, before coating Belzona 3412 over the area and extending 125mm onto each side of the pipework.

Belzona Facts

Just 2 units of Belzona 3412 was enough to complete the application onto 4 pipe fittings, offering an easy and cost-effective corrosion barrier. Each leg has at least 20 fittings requiring protection, and the applications began in November 2019. If needed, the flexible Belzona 3412 can also be cut and peeled back to allow for future inspections, and is easily reinstated afterwards.

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213
Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

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