Belzona Reseats Rudder to a Rudder Stock

Industry:	*Marine*	Customer Location:	*British Columbia, Canada*
Application:	*SOS-Ships and Offshore Structures*	Application Date:	*June 2011*

Substrate: *Cast Iron*

Products: ** Belzona 1321 (Ceramic S-Metal) ,*
* Belzona 9411 (Release Agent) ,

Problem

Corrosion had developed between the two mating surfaces that made it impossible to effectively seal against sea water penetration. The alternate method of repair would be machining both surfaces which would have been impossible under these dry docking conditions.

Photograph Descriptions

* The corroded surface of the rudder after grit blasting. ,
* The repair area coated with Belzona 1321. ,
* The completed application. ,

Application Situation

The two mating surfaces of a rudder stock.

Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet SOS-8. The corroded surface of the rudder was grit blasted to a near white metal finish. While the other surface was cleaned and coated with Belzona 9411. The grit blasted surface was given a full coat of Belzona 1321 and allowed to firm up for approximately 2 hours before it was bolted into position.

Belzona Facts

Utilizing one of many ABS approved procedures, the ship's owner was happy to approve the Belzona solution. Belzona repair materials also offer quick dry and shorter downtime repair with long lasting protection.