Fairleads Assembly With Belzona

ID: 8300

Industry: *Marine*
Application: *SOS-Ships and Offshore Structures*
Customer Location: *Shipyard, TURKEY*
Application Date: *November 2019*

Substrate: *Aluminum housing and Stainless Steel fairled*
Products: ** Belzona 1111 (Super Metal) ,*
** Belzona 5811 (Immersion Grade) ,*

Problem
Conventional methods of installation fairleads result in voids between the fairlead and housing. Bi-metalic corrosion may occur between aluminum body and stainless steel equipment used.




Photograph Descriptions

* Before application ,
* After surface preparation ,
* Application of Belzona ,
* After Belzona application ,

Application Situation

Yacht with aluminum body

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-08. Application surfaces was prepared to achieve SA2½ cleanliness. Aluminum housing inner surface and stainless steel fairlead exterior surfaces cleaned. The fairlead is aligned to the aluminum housing mechanically. Sealing and assembly was done with Belzona 1111. The void in the fairlead pocket was filled with Belzona 5811 by injection method.

Belzona Facts

Bi-metalic corrosion would occur between two different metals after assembly wih welding. Belzona protects the metals from

bi-metalic corrosion isolating two different metal surfaces with its adhesion and filling features. In this way, long lasting and more durable assembly has been achieved compared to traditional methods.