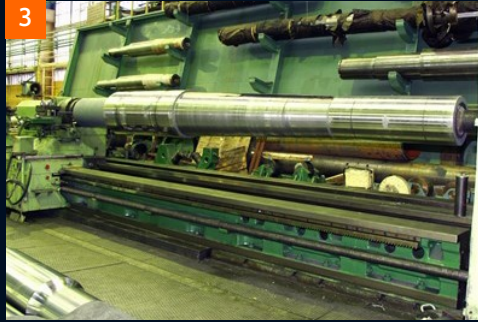


RUDDER REPAIR ON THE AIRCRAFT CARRIER «ADMIRAL GORSHKOV»

ID: 5155



PROBLEM

Due to corrosion wear of the rudder seat project 11430, performance and efficiency have considerably decreased

APPLICATION SITUATION

Rudder

APPLICATION METHOD

Repair was carried out according to Belzona Know-How System Leaflet SOS-3 that was approved by Russian Maritime Registry of Shipping

BELZONA FACTS

The customer was skeptical at first about using polymer materials. Due to proven experiences in carrying out such repairs and independent tests on physical and mechanical properties of Belzona materials done by state enterprises, the customer agreed to the repair. A significant amount of time was saved in comparison to traditional repairs. Moreover, the only alternative repair method, which would be to replace the rudder completely, would result in substantial costs.

INDUSTRY

Marine

LOCATION

Shipyard, Severodvinsk, Russia

APPLICATION DATE

November 2007

PRODUCTS

Belzona 1111 (Super Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Steel

PHOTOS

1. Injecting Belzona 1321 to bond the steel surface of the rudder
2. Sealing openings with Belzona 1111
3. Application of Belzona 1111 onto the rudder – cone shape rebuilding
4. Repair completed

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.

www.belzona.com

