

BELZONA SUPPORTS RUDDER BEARING TO NAVAL VESSEL

ID: 825

Industry: *Marine*

Customer Location: *United States Navy*

Application: *MPT-Mechanical Power Transmission*

Application Date: *1981*

Substrate: *Cast Steel*

Products: *Belzona® 1111 (Super Metal)*

Problem

Fretting corrosion of the bearing housing



Photograph Descriptions

* USS Detroit AOE-4. , * 57 ½" Port lower rudder bearing housing. , * Housing re-machined. ,

Application Situation

Rudder Bearing Housing

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet MPT-6.

Belzona Facts

The rudder stock running in this 57.5" diameter bearing weighs 62 tons and the displacement of the 26 knots fast combat support ship was 58,300 tons. The repair was in perfect condition at the last recorded inspection 17 years later (vessel is now decommissioned).

Subsequently, in 1985 a sister ship had a similar repair.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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