

BELZONA SUPPORTS RUDDER BEARING TO NAVAL VESSEL

CUSTOMER

United States Navy

APPLICATION DATE

1981

APPLICATION SITUATION

Rudder Bearing Housing

PROBLEM

Fretting corrosion of the bearing housing

PRODUCTS

Belzona® 1111 (Super Metal)

SUBSTRATE

Cast Steel

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.

PICTURES

1. USS Detroit AOE-4.
2. 57 1/2" Port lower rudder bearing housing.
3. Housing re-machined.



1.



2.



3.

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



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