

PINTLE REPAIR WITH BELZONA

CUSTOMER

Ship repair yard, Varna, Bulgaria

APPLICATION DATE

May, 2007

APPLICATION SITUATION

Pintle housing on cargo ship.

PROBLEM

The keyway was damaged by galvanic corrosion and in certain areas the damage reached 40mm in width. Corrosion pitting was severe, up to 12 mm deep in the tapered housing.

PRODUCTS

Belzona® 1111 (Super Metal)

SUBSTRATE

Steel

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-3. The keyway channel on the rudder was infilled and a new channel machined at 180°.

BELZONA FACTS

Boring was not an option because the diameter was so far gone. Customer had to rebuild up to 2 cm of metal on the taper of the rudder in order to get correct fit. Belzona was more cost effective and faster than traditional methods such as welding and provided galvanic corrosion protection by isolating the dissimilar metals.

PICTURES

1. Prepared Surface
2. Application of Belzona to housing
3. Rebuilt keyway and housing surfaces
4. Fitting the Pintle



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



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Q 09335
ISO 14001:2004
EMS 509612

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