

BELZONAS OPTIMIZED BEARING INSTALLATION

ID: 834



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PROBLEM

Conventional methods of installation result in lengthy times for machining of the housings. Corrosion can still occur if stainless steels are used.

APPLICATION SITUATION

Container Ship Rudder Bearings

APPLICATION METHOD

The application was carried out using a modified version of Belzona Know-How System leaflet SOS-4.

BELZONA FACTS

In this case the synthetic bearing was seated in a steel carrier ring. Bonding with Belzona® 1321 prevents the risk of crevice corrosion and fretting. On this vessel the stainless steel pintle liners are also bonded to prevent galvanic corrosion. Over 30 ships in this class have used this installation method in both Germany and the USA.

INDUSTRY

Marine

LOCATION

Shipbuilders in Germany and USA

APPLICATION DATE

Various since 1990

PRODUCTS

Belzona 1211 (E-Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon Steel

PHOTOS

1. Aft end of containership
2. Positioning and sealing of lower annulus
3. Injection of Belzona 1321
4. Vent ports installed to ensure void free application

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.

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