

BELZONA SUPER METAL RESTORES STRUTS ON A DREDGING VESSEL

ID: 7762



PROBLEM

The internals of all 4 struts had suffered erosion and corrosion from seawater and needed to be restored.

APPLICATION SITUATION

Struts supporting propulsion system and housing cutlass bearings on 200 foot dredging vessel.

APPLICATION METHOD

The application was carried out in accordance with SOS-9 BelzonaKnow-How System Leaflet. The substrate was machined down via boring to achieve a clean, solid substrate free of any corrosion. Substrate was then blasted with an angular grit to give a minimum surface profile of 3 mils. Substrate was then power washed with HoldTight 102 to bring salt contamination to acceptable levels. Belzona 1111 was then mixed and applied to build up the surface proud and then once cured, machined back to tolerance.

BELZONA FACTS

The alternative to this repair would be a massive amount of welding. Welding would also introduce the possibility of Galvanic corrosion. The customer chose the Belzona solution to save time and money and to prolong the repair of their asset. Belzona 1111 will not corrode in seawater.

INDUSTRY

Marine

LOCATION

Oregon, USA

APPLICATION DATE

January 2018

PRODUCTS

Belzona 1111 (Super Metal)

SUBSTRATE

Steel

PHOTOS

2 of 4 struts that needed restoration

A clean, solid, roughened substrate

Surface built up with Belzona 1111

Completed application ready for cutlass bearings

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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