

# EMERGENCY FLANGE REPAIR

ID: 8523



## PROBLEM

Erosion of the flange face caused ineffective sealing surface

## APPLICATION SITUATION

Rebuild flange face using a plastic bottle as a cast

## APPLICATION METHOD

Prepared steel with wire wheel and angle grinder. De-greased and then scrubbed Belzona 1111 onto flange, building up pitted area. Applied Belzona 9411 to plastic bottle. Pressed Belzona 1111 into void around bottle. Sanded excess material back to original dimension.

## BELZONA FACTS

Parts were not available and the ship was scheduled to leave port. Delays were estimated to be 10k a day until the part would arrive 10 days later. Repair saved 100k in delay fees for a part that only would cost \$400.

## INDUSTRY

Marine

## LOCATION

Seattle, WA

## APPLICATION DATE

June 2021

## PRODUCTS

Belzona 1111 Super-Metal and Belzona 9411 Release Agent

## SUBSTRATE

Steel

## PHOTOS

- 1) Before application
- 2) Casting process
- 3) Cast removed
- 4) Flange sanded and ready to re-install

For more examples of Belzona Know-How in Action, please visit [khia.belzona.com](http://khia.belzona.com)

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

[www.belzona.com](http://www.belzona.com)

