

# BELZONA REPAIRS SHIPS GENERATOR AFTER WELD REPAIR FAILS

ID: 651

Industry: Marine  
Application: ENC-Engines and Casings  
Substrate: Cast iron  
Products: \* Belzona® 1111 (Super Metal) ,

Customer Location: Cruise Line, Port Everglades, Florida  
Application Date: November 2005

## Problem

*Damaged generator casing allowing coolant into main sump threatening ships main engine bearings.*



## Photograph Descriptions

- \* Generator with cylinder removed ,
- \* Surface surrounding failed weld roughened ,
- \* Belzona® 1111/9341 patch applied over weld repair and extended onto surrounding area ,
- \* Final repair smoothed out and awaiting Infrared lamp to accelerate cure ,

## Application Situation

Main generator oil sump which is shared with ships main engine. Initial weld repair failed.

## Application Method

Application carried out in accordance with Belzona Know-How System Leaflet ENC-1. Particular attention paid to removing all substrate contamination using solvent washing and heat.

## Belzona Facts

Classic failure of welding cast iron. Ship sails nightly but re-work completed in 5 hours keeping ship on schedule at full power. Customer is delighted with Belzona!

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

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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