

BELZONA REBUILDS MARINE DIESEL ENGINE BLOCK

ID: 4344

Industry: Marine

Customer Location: Dockyard, Belfast

Application: ENC-Engines and Casings

Application Date: December 2012

Substrate: Cast iron

Products: * Belzona® 1311 (Ceramic R Metal) Belzona® 1391 (Ceramic HT) ,

Problem

Cylinders from the port outer main engine were suffering from severe cavitation beyond the original Belzona repair. Belzona has been routinely used to repair these areas for over 10 years.



Photograph Descriptions

- * 1. General view of the engine Cavitation damage around the existing Belzona® 1311 ,
- * 2. Area ground out to depth of 3mm ,
- * 3. Blasted area in preparation for coating with Belzona® 1391 ,
- * 4. Completed Belzona® 1311 repair ,

Application Situation

Caterpillar diesel engine on passenger ferry.

Application Method

Application carried out in accordance with Belzona System Leaflet ENC-6 and engine manufacturers repair procedures. Old repair ground out along with deep pitting. After vacuum blasting area Belzona® 1311 applied to restore profiles. A former was used to create skirt around the cylinder. Area was then flash blasted in preparation for coating with Belzona® 1391.

Belzona Facts

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

www.belzona.com

BELZONA®
Repair • Protect • Improve

Belzona® 1311 has a proven track record in repairing cavitation damage in these areas. Belzona® 1391 provides additional resistance to corrosion and cavitation.

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