

BELZONA REBUILDS MARINE DIESEL ENGINE BLOCK

ID: 4344



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.

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

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

INDUSTRY

Marine

LOCATION

Dockyard, Belfast

APPLICATION DATE

December 2012

PRODUCTS

Belzona 1311 (Ceramic R Metal) Belzona 1391 (Ceramic HT)

SUBSTRATE

Cast iron

PHOTOS

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

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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