

## BELZONA REPAIRS TO FERRY MAIN ENGINE

### CUSTOMER

Ferry operator in Egypt

### APPLICATION DATE

November 2003

### APPLICATION SITUATION

Main diesel engine from ferry

### PROBLEM

Severe cavitation and corrosion in cylinder block bores in way of cylinder liner lands.

### PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 1391 (Ceramic HT)

### SUBSTRATE

Cast iron

### APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet ENC-6.

### BELZONA FACTS

Belzona® 1311 used in conjunction with formers to rebuild cavitated areas and restore profiles. Belzona® 1391 applied to coolant galleries. This is a routine repair on engine blocks as cavitation is a common problem in this area of the engine. The Belzona provides a quick effective repair without heat and provides good cavitation and corrosion resistance in the hot coolant.

### PICTURES

1. The severity of the cavitation clearly evident
2. Surface preparation underway
3. The Belzona® 1311 being formed to profile
4. Completed application with Belzona® 1391 applied to top water gallery



1.



2.



3.



4.

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