

Customer Irish Sea Ferry Operator
Sector Marine
Date July 2012
Ref no. 20058

APPLICATION EXAMPLE

Repairs to sea water filter

Situation

Although the vessel is only 7 years old the sea water filters used for ballast were found to be badly eroded / corroded.

Implication

Located in the engine room the cost implication to remove them to undertake traditional repairs works in a workshop was unfeasible. This was not an option so an alternative was needed.

Solution

Due to the location of the filters it was not possible to open blast the substrate so a vacuum blast system was used to remove the barnacles, rust and other debris that had collected on the surface. The heavy pitting was filled with Resimac ceramic filled epoxy and the first skim applied. Once cured with the assistance of a heater a second skim was applied to give a smooth finish. A ceramic filled repair fluid was applied over the repairs to give protection and leave an abrasion resistant finish.

Facts

This is a busy ferry and the only opportunity of carrying out the repairs is a 12 hour window every two weeks. The entire job was accommodated within this tight time frame and allowed the ferry to operate as normal while the work was completed.

