
BELZONA® REBUILDS WATER JET PROPULSION UNIT FLANGE SEAL AREA

CUSTOMER

FIRE DEPARTMENT – FIRE BOATS
North Vancouver, BC

APPLICATION DATE

Various since 1998

PROBLEM

Bi-metallic corrosion had eroded the seal area on the stem of an aluminum fireboat.

PRODUCTS

Belzona® 1111 Super Metal
Belzona® 1341 Supermetalglide

SUBSTRATE

Cast aluminum

APPLICATION METHOD

Application carried out in accordance with Belzona® Know-How Leaflet GSS-8

BELZONA FACTS

This had become a regular problem with these vessels (4) and jet motors required constant servicing to reduce erosion despite installation of a number of zinc anodes in the transom area

PHOTOGRAPHS

1. The eroded area was ground clean to remove all oxidized metal.
2. Belzona® 1111 was applied to eroded area and Belzona® 9411 Release Agent was applied to the male portion of the water jet propulsion unit before a light coat of Belzona 1111® was applied to it. The units were then bolted together squeezing the excess material out the sides of the unit.
3. After curing propulsion unit removed showing newly formed flange recess.
4. Close up of reformed flange after excess material had been ground away.

