

Single Case Pump

Application:	Rebuilding and protection of single Case Pump
Place:	Rotterdam, NL
Date:	May 2008
Job and report done by:	Wencon, Denmark
Wencon products used:	Putty, Cream/Rapid, Coating white & blue, Cleaner, appl. tools



1. & 2.

Shows the surface before preparation. Condition of the pump house is very poor. Locally it is only a matter of months, before it starts leaking.



3. & 4.

Housing is grit blasted, and salt sweated out, using a gas torch, before grit blasted again. Final surface: SA 2,5 and a roughness of 75 microns.

After blasting several holes appeared.



5. & 6.

Using Wencon Cleaner, the pump house is degreased, and now ready for rebuilding. Holes are closed, using Wencon Putty and the housing rebuild using Wencon Cream/Rapid. After semi curing for approx. one hour, the pump house is ready for two layers of coating.



7. & 8.

First layer of Wencon Coating white is applied.



9. & 10.

When protecting against bi-metallic corrosion it is very important, that all surfaces in contact with sea water, are protected. Here the sealing surfaces.



11. & 12.

After second layer Wencon Coating blue is applied, the pump house is left to cure for 10-12 hours, before assembling and reinstalling.

Tests have proven that it takes 10- 12 years for sea water to penetrate 1mm layer of Wencon Coating.

This repair of the old pump not only last longer than a new pump, it will also give a better flow, and save energy.

