

Waterjet casing

Application:	Repair of Waterjet
Place:	Assens Shipyard - Workshop
Date:	October 2008
Job and report done by:	Assens Shipyard, Assens, Denmark
Wencon products used:	1088 Coating, Release Agent, Cleaner, appl. tools



1. & 2.

The jet is worn, due to heavy water flow and sand in the shallow water, where the ferry operates. First repair with Wencon is 4 years ago, and the jets need an overhauling again.



3. & 4.

The jet is sandblasted, sweated out and sandblasted again, in order to remove worn material and any liquids. A cover which has protected the bearing while blasting, is also removed.



5. & 6.

A prefabricated mould which has been used more than 10-times, is covered with 1-layer Wencon Release Agent.



7. & 8.

To ensure good adhesion, the jet is cleaned and degreased with Wencon Cleaner. The Wencon Cleaner removes dirt and grease from the surface. The mould is fixed on the jet, with 4 bolts and the metal is heated to approximately 20° C by ventilators. The jet is ready for the actual repair.



9. & 10.

Wencon 1088 Coating is mixed with zircon korund and silicium carbide, to give the coating additional durability.



11. & 12.

The coating is applied in the gap between the mould and the jet.



13. & 14.

The excess coating is removed with cloth and with Wencon Cleaner if necessary. The repair is left for curing, for approximately 12 hours. If needed, curing time can be speeded up with heat.



15. & 16.

After curing, the mould is removed and because of the Wencon Release Agent, it is easily done.



17. & 18.

The refurbished area is cleaned.



19. & 20.

Final result of overhauling and refurbishment.

