

Propeller Shaft repair

Application:	Rebuilding of corroded flange connection
Place:	Dubai, UAE
Date:	July 2009
Job and report done by:	Local Dubai workshop and Wencon technician
Wencon products used:	Rapid, Cleaner, appl. tools



1. & 2.

Due to a leaking o-ring, the seawater has been penetrating and caused corrosion at the flange



3. The Wencon Perago disc is used to make the surface as rough as possible.



4. Area is cleaned twice with Wencon Cleaner.





5. A spatula was made to create the original shape of the surface. Wencon Rapid is used for this job, due to the fast curing time.

After applying the first layer of Wencon Rapid it is left to semi cure in approx. 45 minutes, afterwards second layer is applied and left to cure overnight.

We choosed to apply Wencon Rapid in two layers, in order to be sure that the final layer is oversized.



6. Flange after first layer.



7. Flange after second layer.

8. & 9.

The flange is formed, by hand, to original size and shape with emery paper.

An alternative solution to emery paper will be machining in the lathe. All Wencon Coatings/Rapid/Cream are fully machineable.



10. & 11.

Final result

