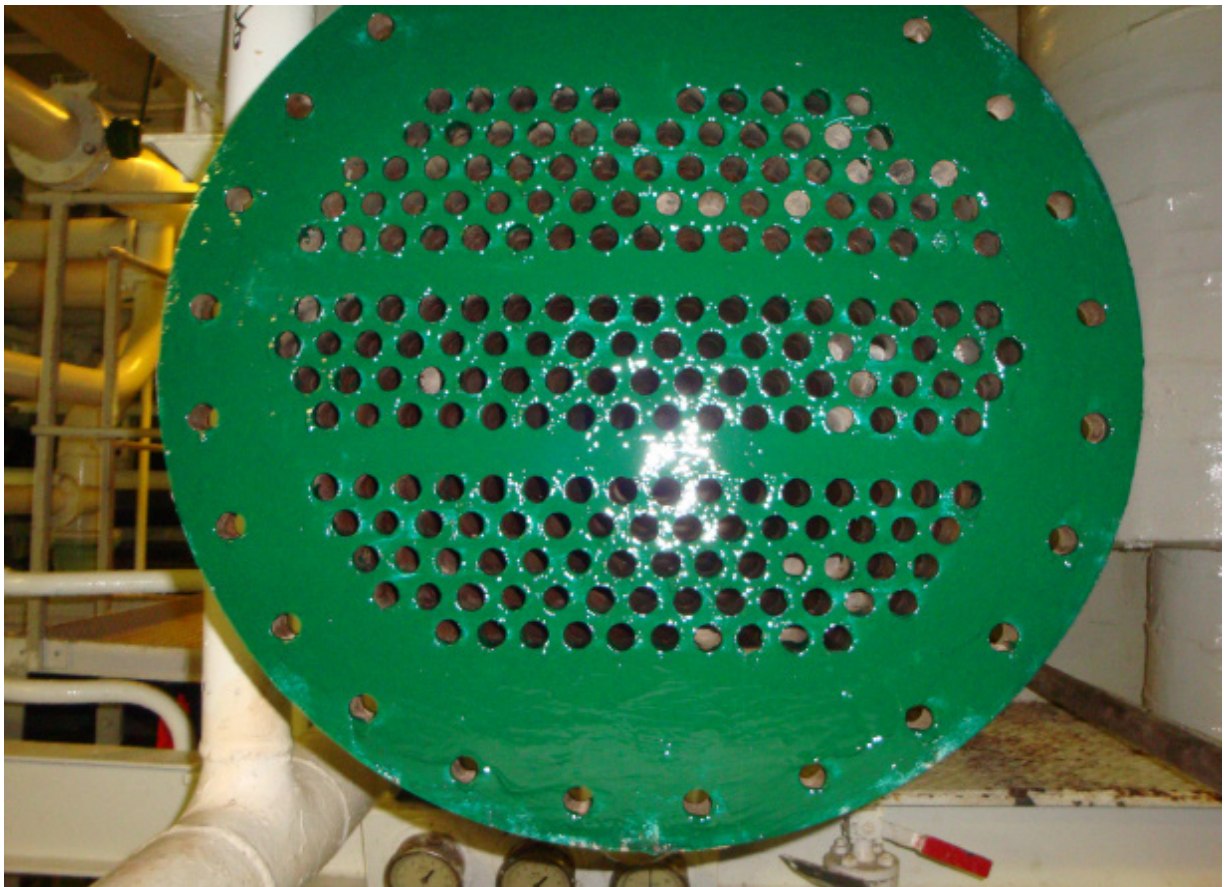


Repair of leaking horizontal multitubular Condensers

Application:	Seal leaks between tube and endplate x 6
Place:	Algeciras, Spain
Date:	June 2010
Job and report done by:	Local workshop and Wencon Denmark
Wencon products used:	Hi-Temp, Cleaner, appl. tools



1. & 2.

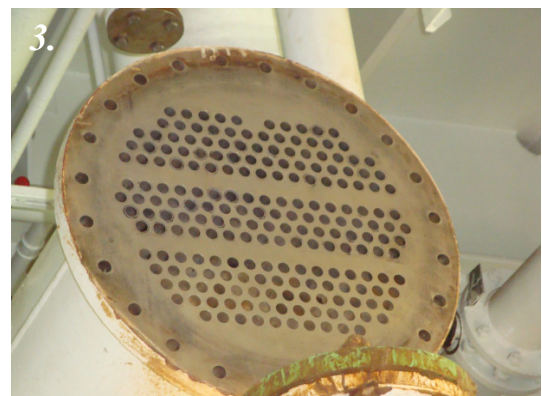
Surface preparation: Old epoxy products removed from all 6 ends – all surfaces now clean and smooth. Photo clearly shows bi-metallic corrosion and leaks.



3. & 4.

To get as rough a surface as possible and in order to maximize adhesion, hi-pressure water/sand injector has been used, instead of grid blasting.

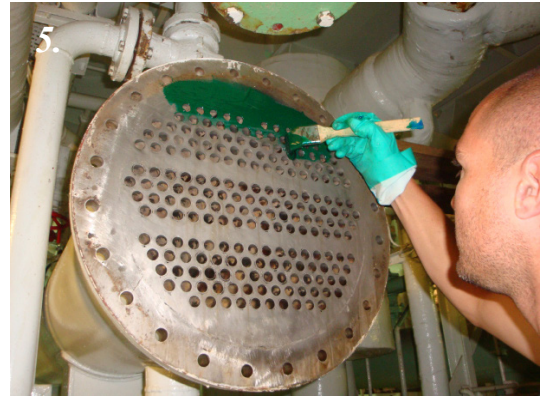
Thereafter cleaned and degreased - using Wencon cleaner.



5. & 6.

Before applying Wencon products, vacuum on the gas side is created.

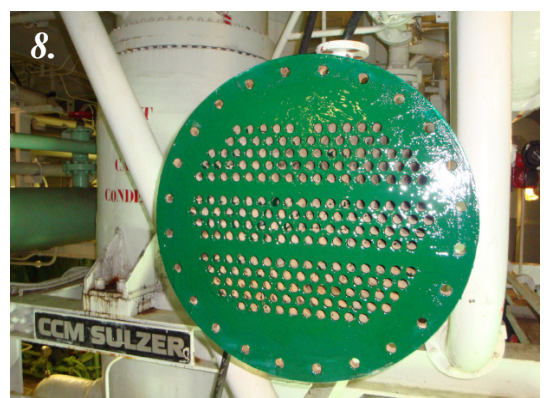
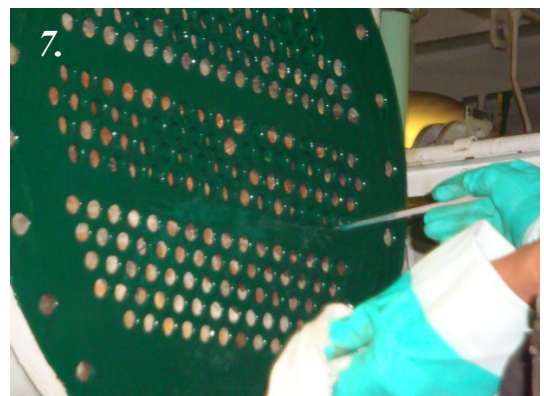
Wencon Hi-Temp has been applied using a brush – here first layer.



7. & 8.

Between the layers, all Hi-Temp leftovers are removed from the tubes before curing.

After application, the Hi-Temp is left for curing Approx 18 hours, before test pressure.



9. & 10.

Final result.

After curing, coolers were tested by the crew.

Pressure: 5 bars and no leaks.

