




VpCI® ADDITIVES FOR WATER TREATMENT



CASE HISTORY SPOTLIGHT

Case History 444: Preservation of Auxiliary Naval Boilers



VpCI® ADDITIVES FOR WATER TREATMENT

CASE HISTORY

Auxiliary Boiler Preservation

CUSTOMER
Ministry of Defense Integrated Project Team (MoD IPT)

LOCATION
United Kingdom

PRODUCTS
VpCI®-649

PROBLEM
The Auxiliary Boilers of a certain type of Naval Frigates and Destroyers had problems with premature coil failure due to corrosion.

The MoD IPT decided to conduct a trial over a period of 6 months between March 2008 and September 2008. A Naval Ship with two new boilers was chosen for the trial.

APPLICATION
The starboard boiler was chosen as the trial boiler and was treated monthly with 1 litre of VpCI®-649; the fill routine was then carried out for 15 minutes to circulate the treatment throughout the system.

CONCLUSION
Both boilers were checked at the beginning and end of the trial. Although some deterioration could be seen in the untreated boiler, there was no signs of corrosion evident in the treated starboard boiler. This Cortec® solution resulted in all types of Frigates and Destroyers being treated now with 1 litre of VpCI®-649 on a monthly basis.


DATE
March - September 2008

DISTRIBUTOR
Lake Chemicals

CONTRACTOR
Hith-nology Solutions

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Certain types of frigates and destroyers in a European navy were having trouble with premature coil failure due to corrosion in auxiliary boilers. The navy conducted a six-month trial on a ship with two new boilers to see if VpCI®-649 would solve the problem. The starboard boiler was treated monthly with VpCI®-649, while the other was not. At the end of the trial, some deterioration was found in the untreated boiler, but there were no signs of corrosion in the boiler treated with VpCI®-649. As a result, the navy adopted monthly VpCI®-649 treatment of boilers on all types of frigates and destroyers.

Read the full case history here: <https://www.coroteccasehistories.com/?s2member-file-download=access-s2member-level1/ch444.pdf>

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