HYDROPATH MARINE

July 21, 2015

MV Hoegh Antwerp Report

Client

Ray Car Carriers Ltd.

Stamco Ship Management Ltd., Piraeus, Greece

Purpose of Installation

Prevention of limescale buildup inside the heat exchange plate of a Fresh Water Generator (FWG)

System Installed

Hydropath Marine HM-120

Date of Installation

January 4, 2014, Piraeus, Greece

Date of Inspection

June 26, 2015

Figure 1. M/V Hoegh Antwerp

Office: +44-20-37347858 | Fax: +44-20-37347859 | info@hydropathmarine.com
www.hydropathmarine.com

HYDROPATH TECHNOLOGY PATENTED

Installation Location

The FWG has an inlet and outlet pipes next to it, but there was no room to install the HM unit close to the FWG. Therefore we followed the inlet pipe backwards to a lower level and found the closest location for installation (approx. 10m from the FWG).

M/V Hoegh Antwerp is a relatively new vessel and was not installed with a chemical dosing pump to treat the FWG.

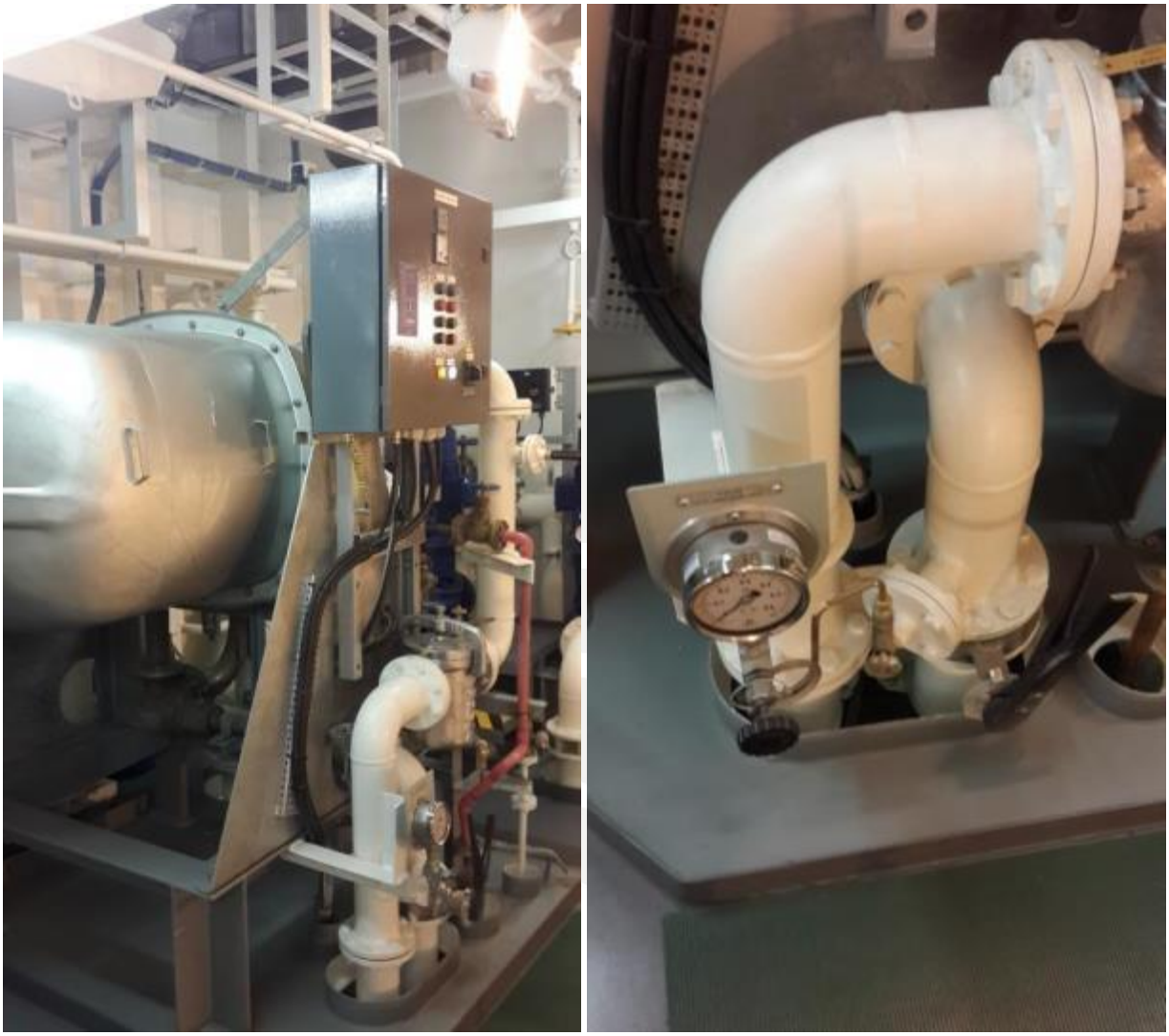

Figure 2. The Fresh Water Generator with its inlet and outlet pipes (inlet is the right pipe on the right photo)

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Figure 3. Installation location

Findings

Figure 4. FWG plates on inspection date – June 26, 2015

Since installation date January 2014 to June 26, 2015 there was no reduction in water production of the FWG, and it is working in full capacity **without chemical treatment and without opening** for cleaning.

The FWG was opened for inspection on June 26, 2015 (**After 18 months**) although water production was not reduced (20.5 mt/day). The reason for opening was only in order to inspect the efficiency of the Hydropath Marine treatment and its results. No lime scale buildup was found during opening and no chemicals were required for cleaning. The plates were washed with water and put back into the chamber.

Therefore it is clear that the Hydropath Marine unit is successfully treating limescale buildup inside the FWG.

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