



**WATER TREATMENT – DESALINATION
FUEL TREATMENT**

InterOsmo®

SHIPPING SECTOR

***Water network and devices protection
(FRESH WATER – DRINKING WATER – SEA WATER)
from scale – corrosion – electrolysis – rust
Filtration and desalination (reverse osmosis systems)
for potable water at ships***

AQUA SOFT II

**THE ELECTRONIC WATER PROCESSOR
WHICH IS SOLVING THE LIME SCALING, CORROSION,
ELECTROLYSIS, RUST
(EVAPORATORS-AIR COOLERS-ENGINE RADIATORS-GAS BOILERS)**

APPLICATION AT A 'NAVARONE S.A.' VESSEL

11-09-2013

TO: TECHNICAL DEPARTMENT

ATN: Technical Manager – Superintendent Engineers – Marine Engineers

Dear Sirs,

Further to our discussion on the electronic water processor AQUA SOFT II, an electronic device which solves the problems of scale, corrosion, electrolysis, rust at difficult applications (FW GENERATORS, AIR COOLER, GAS BOILERS and at pipe networks (Fresh Water – Sea Water).

With this letter we attach an important reference of Messrs NAVARONE S.A. on an evaporator application.

We also attach their photos before and after the application where you will recognize the importance of this theme.

We remind the immediate benefits such as

- Money saving for chemical use (apart of the damages they create),
- Personnel's working hours saving
- Spares' wear and tear
- Money spending for Fresh Water buying due to reduced evaporator's production etc

As you will notice in this 'NAVARONE' reference letter, it is worthy to point out (according to their explanations):

- Chemical cleanings on the evaporator were done every 3 months (2012 photos)
- Aqua Soft ii was installed after a chemical cleaning on 18/01/13
- The first checking was done after 900 working hours whilst the water production was unreduced!
- Whilst the plan of chemical cleaning was usually every 90-115 days, with this first checking (2013 photos) on the 19ⁿ week (133ⁿ day – 15% over the plan) it was realized that only 10% of very soft scale was found which they just washed out with a little water. After that evaporator was closed – fixed again continuing its production with unreduced production till today (11-9-13)!
- To the opinion of NAVARONE Technical Dept with the application of AQUA SOFT II chemical cleaning could be delayed for very long time! (this can be seen clearly in 2013 photos).

Due to the above results we consider important to have a meeting to discuss applications which are important for you.

Yours faithfully,

Kostas Politis
A´ Eng E.N.
6932-229660

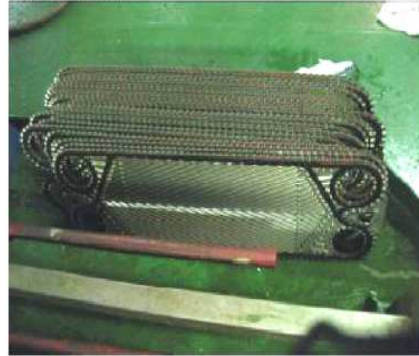
Photo 02.08.12



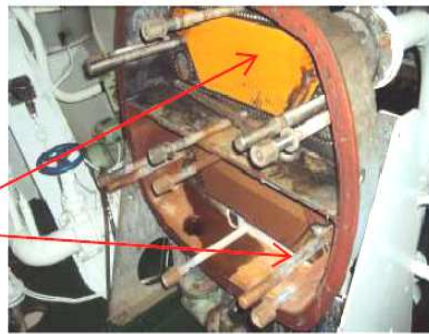
PMS code: 40.19 Type: RJOB ref E 124/12
Photo 03.08.12

scaling

Photo 02.08.12



PMS code: 40.19 Type: RJOB ref E 124/12
Photo 03.08.12

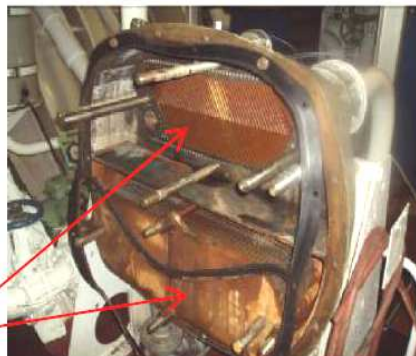


PMS code:40.19 Type: RJOB ref E74/12
Photo 16.04.12

scaling

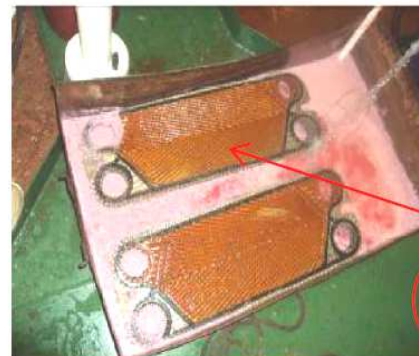


PMS code: 40.19 Type: RJOB ref E74/12
Photo 16.04.12



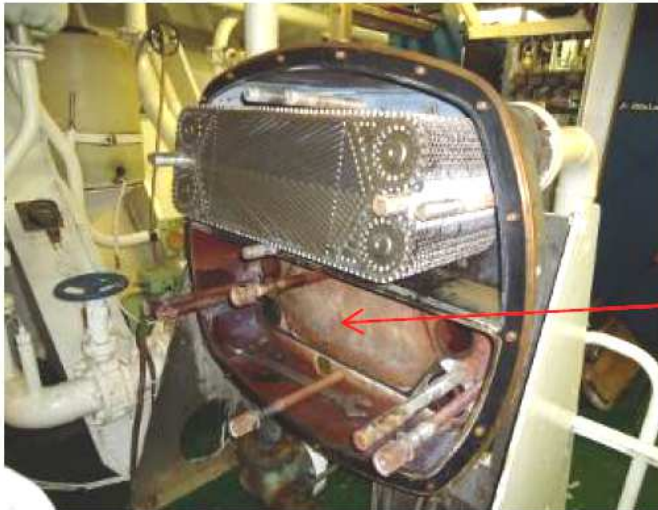
PMS code:40.19 Type: RJOB ref E12/12
Photo 16.01.12

scaling



PMS code:40.19 Type: RJOB ref E12/12
Photo 16.01.12

scaling



Better condition

PMS code: 40.19 Type: RJ ref E 45/13



Less scaling and softer

PMS code:40.19 Type: RJ ref E 45/13

PMS code:60.05 Type: RJ ref E 43/13



PMS code:40.19 Type: RJ ref E 45/13



NAVARONE S.A.

6, Cheimaras Street
151 25 Amaroussion, Greece
TEL.: +30.210.4101 700
FAX: +30.210. 4175 504,4179 540
E-mail: navarone@navarone.gr

TO: INTEREXPERTS
PEFKON 6, METAMORFOSI
ATHENS, GREECE

ATTN: MR. BAKOULAS

Amaroussion 20/08/2013

SUBJECT: AQUASOFT SYSTEM

Dear Sir,

Aqua soft system has been installed onboard M/V CINNAMON associating the Fresh water generator devices on 8 Jan 2013.

Since that time, the Fresh water production curve indicates 15 % gain, reaching the highest level of 16MT/day, where same remained at this level for long operation time.

Following the production performance curve the cleaning of F.W. generator was extended further to regular interval at 15%, where impressively the fouling scale which observed, was very soft, covering only the 10% of heat exchanger's plates area.

Consequently the Aqua soft system with its technology has the capability to improve the fresh water production, by preventing the scaling appearance in heat exchangers for longer time.

Respectfully the system seems quite useful for marine applications.

Stylios Vatisas
Technical Manager



NAVARONE S.A.

AQUA SOFT II, ELECTRONIC WATER TREATMENT
WITH ULTRASONIC TECHNOLOGY
AT M/V 'CINNAMON' OF MESSRS NAVARONE S.A.

