

# National Iranian Tanker Company



ناشیونال ایرانیان تانکر کومپنی (ذ.م.م.) فرع الشارقة  
National Iranian Tanker Co. Ltd.  
SHARJAH BRANCH

Date : 18.8.2004

Ref. : .....

## TO WHOM IT MAY CONCERN

Subject : Elysator cooling water treatment :

**Boilers :** Mitsubishi MAC-40B, 2 drum vertical oil fired boiler.  
Evaporation rate 40 tons/hr, pressure 16 kg/cm<sup>2</sup>

**Main engine :** Wartsila Sulzer 7RTA84T, developing 36,960 bhp at 74 rpm at mcr  
**Aux engine :** Ssangyung B&W 6L 28/32H, developing 1,150 kw power at 720 rpm

This is to confirm that we are using Elysator cooling water treatment system on oil fired boiler and main & auxiliary engine cooling water systems on our five N class VLCCs since year 2001.

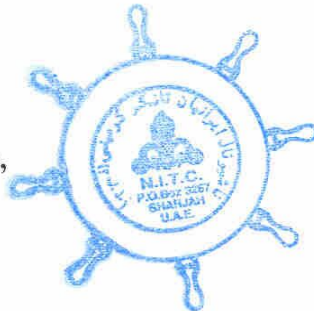
We have found the Elysator system to be extremely effective to control corrosion and scaling in boilers and engine cooling systems. We have observed the attending classification society surveyors amazed at the condition of the boiler internals (free of pitting, corrosion and scale) when presented for routine survey on almost all occasions since switching over to Elysator.

Most notable features of the Elysator system are drastic reduction in the conductivity (an indication of the degree of susceptibility to galvanic corrosion), improvement in the pH value, absence of dissolved solids and the natural way in which oxygen is removed from the system.

Prior to switching over to Elysator system when the boiler and engine cooling water was treated by chemicals, the water was always of muddy/brown colour with normal values of conductivity around 1,500 mS/cm and pH value around 8.5. With Elysator system the water remains crystal clear with normal conductivity of less than 100 mS/cm and pH value of 9.5

The undersigned would not hesitate to recommend Elysator system to anyone who wishes to not only treat but improve water quality in a chemical free, self regulating (no shipstaff intervention), environment friendly and economic way.

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