

TELEGRAMS: LLOYD ~~DECLASSIFIED~~
BOX 170 SECTION.

TELEPHONE No. 24092



Lloyd's Register of Shipping,

Cato House,
340, Smith Street,

DURBAN, 3rd April, 1951.

BY AIR MAIL.

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- 9 APR 1951

Ansd.....

EJJ.

Dear Sir,

s.s. "BORDER" ex. "HOLLAND".
CHEMICAL EMBRITTLEMENT IN COMBUSTION CHAMBERS.
DURBAN REPORT NO. 5515.

I regret that I have not reported on this subject earlier, but you will appreciate that it has been difficult to obtain any definite information. However, from the information I have been able to gather, I am in a position to briefly report on repairs carried out on the boilers.

It appears that two combustion chamber crown plates were renewed, and two were part renewed. (There are a total of 4 C.Cs. in 2 boilers.) Only sections of back tube plates were cut out and renewed, these sections being 3" wide in each case. I understand approx. 200 rivets were renewed and it is assumed the holes were examined for cracks.

Whilst I understand that the vessel is running without boiler trouble since the above repairs were carried out, I feel sure that the people concerned with these repairs have no clear conception of this phenomenon, chemical embrittlement, and in my opinion, the condition in which I found these combustion chambers warranted the opening of all seams for thorough investigation.

Yours faithfully,

DR.

The Secretary,
LONDON.



By Baljoun
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Lloyd's Register
Foundation

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CLASSIFICATION

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These two photographs were examined for evidence of tampering.

It was found that the photographs were genuine and that the evidence of tampering was not present. The photographs were then placed in the evidence folder.

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