

## Lloyd's Register of Shipping.

4 BRIDGE STREET,

BY AIR MAIL.

SYDNEY, 19th October 1938.

N.S.W.

S.

The Secretary,

LONDON.

LLOYD'S REGISTER  
 Received  
 31 OCT 1938  
 Ansd.  
 LONDON

Dear Sir,

Further to my letter of the 22nd ultimo in response to yours of 8th ultimo respecting the boilers of the steamer "MURITAI", I am now in receipt of a reply from Mr. Lidgett, the Society's Surveyor at Wellington, N.Z.

Mr. Lidgett reports that the repairs recommended by him have already been effected to the forward boiler, that when the rivets were removed the holes were reamed and a careful examination revealed no evidence of any cracks in the plating. He further stated that in his opinion the defects were clearly due to defective workmanship and forwarded samples of the removed rivets to substantiate this, but the samples were of little use for a microscopic examination.

It was pointed out to Mr. Lidgett that although there was clear evidence of bad workmanship in this case, it did not rule out the possibility of chemical embrittlement, and I have instructed him to forward to you an analysis of the boiler water and samples of broken rivet points for further investigation. He has also been instructed that a special examination will require to be made of all riveted joints of these boilers at next survey.

I am, Dear Sir,  
 Yours faithfully,

*R. J. [Signature]*

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 Information

Referred to the Chief Engineer Surveyor

31 OCT 1938

Also for Mr. HULL'S note

See endorsement  
13/10/38

It is submitted Mr. McIlwain  
 that if the examination  
 of the plating in case of the holes was carried  
 out after the holes were reamed, as any  
 examination would be of no value, as any  
 cracks in the plating would be buried over by the  
 reamer. Further, in a case of this kind, cracks may be present  
 which are not obvious to the naked eye & can only  
 be detected by an electro-magnetic crack detector. He should  
 therefore arrange for the examination to be completed as soon as possible.



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