

attention of Mr. McGuffie

**COPY.**

DDMcG/SW

1st September, 1959.

Dear Sirs,

Eng.

S.S. "MACHARDA"

I have your letter of the 28th August, and the plan showing details of sterntube lining intended to be fitted in the above vessel has received consideration, and will be approved subject to the following conditions :-

1. The Owners concur in the fitting of this lining.
2. The end of the sterntube should be examined in drydock at the end of 12 months and if it shows excessive wear down or if over heating has been experienced, the shaft would require to be drawn for further examination of the bush.
3. As the strips of Mintex are moulded to the size required, it would be necessary for spare mouldings to be carried.

Further, it is noted that the shaft is estimated to become hydro-dynamic at a speed of 41.3 R.P.M. and, for record purposes, would you kindly state if it has been based on a sterntube bearing length of 4 times the shaft diameter, as it is understood that the Pametrada experiments are carried out having a bearing  $\frac{e}{d} = \frac{1}{1}$

The copies of the plan have been retained for record purposes.

Yours faithfully,

Messrs. Alexander Stephen & Sons Ltd.,  
Linthouse,  
GLASGOW, S.W.1.

Secretary to the  
Scottish Committee.



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