

Port	Yokohama
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Fee: £ 2-0-0
Exp: £ 1-0-0
S.A. Fee:

H. TERASHIMA

For further particulars please see the ship's log books.

The armature shaft was renewed at this time by N.K.K., Asano Dock, Yokohama. Approx. 13 hours running after completion of the repair the armature shaft was stated to have again broken at the same position as previously.

A calculation of the torsional vibration showed that the critical speed occurred at 812 RPM which is near the generator rated revolution of 800 RPM.

In the opinion of the undersigned the cause of damage is considered to be attributable to excessive stress caused by torsional vibration due to operation near the critical speed.

Upon examination the following damage was found and repairs recommended without prejudice to the terms and conditions of insurance.

Recommended

The forward generator (30 KW) armature shaft broken.

The armature shaft to be renewed and the design modified to avoid operation near the critical speed.

The recommendations for the above repairs including the removal and replacement of parts for access, necessary tests, paintings for new and disturbed works were made with a view to placing the ship in a similar condition to that which prevailed before the alleged casualty.

Cont'd

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(Rpt. 10) 8,65 КОБ

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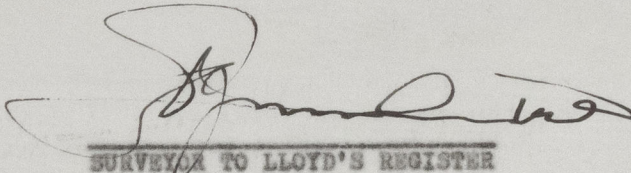
YOKOHAMA

D-799

M.S. "PHOENICIAN STAR"

(Sheet No.2)

Calculation of torsional vibration and a modified design of armature shaft were made by N.K.K., Asano Dock, Yokohama but the repairs were deferred to the end of May 1966 at the Owner's request.


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