

COPY

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

ENCLOSURES

15th February, 1946.

Dear Sirs,

Ruston & Hornsby Engine No. 241110.
Type 8VGBXM - 0/No. 13/450053.
Cochrane & Sons, Ltd. Yard No. 1319.

E. I have to acknowledge the receipt of your letter of the 7th instant enclosing sheet No. 3G-12, also Messrs. Amos & Smith's Drawings Nos. 14861 and 13762 of sterngear.

In reply I have to inform you that the torsional vibration characteristics of the amended dynamic system for the main machinery have been examined in conjunction with the Firm's calculations and found satisfactory, provided torsigraph records taken by the Society indicate that the stresses in the crankshaft arising from the 8th order 2 node critical speed at 300 r.p.m. and the 3th order 3 node critical speed at 351 r.p.m. do not exceed 13,000 lbs/sq.inch.

Further, the one node torsional vibration characteristics are considered satisfactory, provided a notice board be fitted at the control station stating that the engines of this vessel are not to be run continuously below 130 r.p.m.

The plan No. 13762 of stern tube is noted and in order, and is returned herewith together with plan No. 14861 of straight shafting, which is similar to one already approved in my letter of 7th December last addressed to the Hull Surveyors.

Yours faithfully,

Secretary.

The Surveyors,
NOTTINGHAM.



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Foundation