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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

13th October, 1936.

Dear Sirs,

Messrs. Vickers-Armstrongs' Yard No.726.

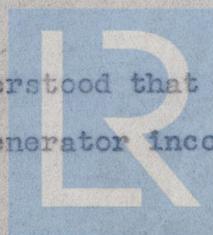
E.

I duly received your letter of the 7th instant, in further reference to the electrical equipment proposed for the above vessel, and I note your remarks.

With regard thereto I have to point out that the steering gear and engine room lighting can be supplied from the 7 K.W. generator, and if the full speed of the generator is the same when driven from the diesel engine as when driven from the main engine on full speed, the generator cannot be used at lower main engine speeds unless the generator is unsaturated in the magnetic circuit.

If the generator is unsaturated, large variations in voltage will occur with small variations in speed. Moreover, as the generator is self-excited, if the main engine speed is lowered for a short period to 75% of its original speed, the generator volts will die away to practically zero.

It is understood that where similar arrangements have been fitted, the generator incorporates some form of



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Messrs. Vickers-Armstrongs'
Yard No. 726.

automatic regulator.

In these circumstances, it is considered that satisfactory working of the arrangement can only be obtained if an automatic regulator is fitted.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

BARROW.



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