

Vickers-Armstrong Yard No.726.

IT IS SUBMITTED the Barrow Surveyors be informed their letter of the 7th instant has been noted.

It should be pointed out that the steering gear, and engine room lighting can be supplied from the 7 Kw generator. 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, then unless the generator is unsaturated in the magnetic ^{CIRCUIT} ~~current~~, it cannot be used ~~in~~ at lower main engine speeds.

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 automatic regulator.

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

L13/10/36

low.

J.C.G.
M.J.

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Lloyd's Register
Foundation

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