

Rpt. 13.

No. 39418.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 28 NOV 1928

Date of writing Report 27 NOV 1928 When handed in at Local Office 27 NOV 1928 Port of Hull.

No. in Survey held at Hull. Date, First Survey 8 Nov Last Survey 15 Nov 1928

Reg. Book. 61606 on the Steam Trawler "LORD GREY" (Number of Visits 3)

Built at Selby By whom built Cochrane Sons & Co Yard No. 1078 Tons { Gross 346.4 Net 134.8 When built 1928

Owners Pickering & Halden's S. Trading Co Port belonging to Hull

Electric Light Installation fitted by Wm. Broady Sons & Co Contract No. When fitted 1928

System of Distribution

Two wire / Pressure of supply for Lighting 100 volts, Heating / volts, Power / volts.

Direct or Alternating Current, Lighting Direct current / Power /

If alternating current system, state frequency of periods per second /

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off? Yes /

Generators, do they comply with the requirements regarding rating? Yes / , are they compound wound? Yes /

are they over compounded 5 per cent. Yes / , if not compound wound state distance between each generator. /

Where more than one generator is fitted are they arranged to run in parallel? Yes / , is an adjustable regulating resistance fitted in series with each shunt field? /

Are all terminals accessible, clearly marked, and furnished with sockets? Yes / , are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched? Yes /

Are the lubricating arrangements of the generators as per Rule? Yes /

Position of Generators Starboard side of engine room / ,

is the ventilation in way of the generators satisfactory? Yes / , are they clear of all inflammable material? Yes /

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators /

and / , are the generators protected from mechanical injury and damage from water, steam or oil? Yes /

are their axes of rotation fore and aft? Yes /

Earthing, are the bedplates and frames of the generating plant efficiently earthed? Yes / are the prime movers and their respective generators in metallic contact? Yes. Direct coupled /

Main Switch Boards, where placed Beside generator in engine room /

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard? /

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes? Yes /

are they protected from mechanical injury and damage from water, steam or oil? Yes / , if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards / and /

are they constructed wholly of durable, non-ignitable non-absorbent materials? Yes / , is all insulation of high dielectric strength and of permanently high insulation resistance? Yes /

if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework? /

and is the frame effectively earthed? Yes /

Are the fittings as per Rule regarding:— spacing or shielding of live parts? Yes /

accessibility of all parts? Yes / , absence of fuses on back of board? Yes / , proportion of omnibus bars? Yes /

individual fuses to voltmeter, pilot or earth lamp? Yes / , connections of switches? Yes /

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches.

Main circuits controlled by D.P. switches - protected by D.P. fuses.

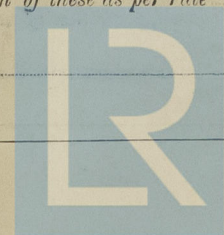
Instruments on main switchboard one ammeters one voltmeters / synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system.

Earth lamps, with separate switches.

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules? Yes /

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule? Yes /



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002101-002108-0077 1/2

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

WM. BROADY & SON,
ENGLISH STREET,
HULL

Electrical Engineers.

Date 20 Nov. 1928.

COMPASSES.

Distance between electric generators or motors and standard compass 68 feet
Distance between electric generators or motors and steering compass -
The nearest cables to the compasses are as follows:—
A cable carrying .5 Ampères To feet from standard compass feet from steering compass.
A cable carrying .5 Ampères To feet from standard compass feet from steering compass.
A cable carrying Ampères feet from standard compass feet from steering compass.
Have the compasses been adjusted with and without the electric installation at work at full power Yes
Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted Yes
The maximum deviation due to electric currents was found to be 40 degrees on any course in the case of the standard compass, and 40 degrees on any course in the case of the steering compass.

FOR COCHRANE & SONS, LTD.

Director

Builder's Signature.

Date 22 NOV 1928

Is this installation a duplicate of a previous case Yes If so, state name of vessel Lord Hewart

General Remarks (State quality of workmanship, opinion as to class, &c.) The electrical installation of this

vessel has been fitted on board under special survey, & the materials & workmanship are sound & good.

It has been tried under full working conditions & found in good order, and is eligible in my opinion to have record of Electric Light.

It is submitted that
this vessel is eligible for
THE RECORD. Elec. Light.

28/11/28.

Total Capacity of Generators 5 Kilowatts.

The amount of Fee ... £ 3 : : When applied for, 21 Nov 28

Travelling Expenses (if any) £ : : When received, 16.1.1929

Committee's Minute

Assigned

Elec Light

Surveyor to Lloyd's Register of Shipping.

ENCLOSURE
NO 306



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