

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

6 SEP 1926

Received at London Office.....

Date of writing Report 3-9-1926 When handed in at Local Office 4-9-1926 Port of Aberdeen

No. in Survey held at Aberdeen
Reg. Book.Date, First Survey 26-7-26 Last Survey 21-8-1926
(Number of Visits 5)

on the S.T. Sc. Tug. "TAYRA".

Tons { Gross 104.70
Net 1.45.

Built at Aberdeen. By whom built A. Hall & Co. Ltd. Yard No. 600 When built 1926

Owners Gaslee & Son. Port belonging to London.

Electric Light Installation fitted by J. Thomson & Co. Aberdeen Contract No. When fitted 1926.

System of Distribution

Pressure of supply for Lighting 100 volts, Heating volts, Power volts.

Direct or Alternating Current, Lighting Direct 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

Generators, do they comply with the requirements regarding overload 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, is an adjustable regulating resistance fitted in series with each shunt field

Are all terminals accessible and clearly marked yes, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited yes Are the lubricating arrangements of the generators as per Rule yes

Position of Generators

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 none and, are the generators protected from mechanical injury and damage from water, steam or oil yes

are their axis 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

Main Switch Boards, where placed near dynamos, 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 in same compartment.

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, incombustible 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 connected to one pole

insulated from the slab with mica or micanite and the slab similarly insulated from its framework and is the

frame effectively earthed yes. Are the following fittings as per Rule, viz.:— 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

Single pole switch & double pole fuses to each outgoing circuit.

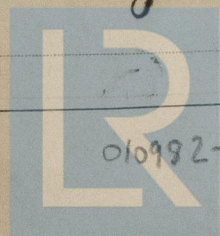
Instruments on main switchboard one ammeters one voltmeters synchronising device for paralleling purposes.

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

Earth lamp on each pole.

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

Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes



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portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office

[illegible]

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.

James Thomson

Electrical Engineers.

Date *1st September 1926*

COMPASSES.

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass

About 40 ft.

The nearest cables to the compasses are as follows:—

A cable carrying *2.4* Ampères feet from standard compass *4* feet from steering compass.

A cable carrying *1.5* Ampères feet from standard compass *4* 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 degrees on course in the case of the standard compass, and *no* degrees on *any* course in the case of the steering compass.

For ALEXANDER HALL & CO., L^{TD}

Secretary

SECRETARY

Builder's Signature.

Date *2.9.1926*

Is this installation a duplicate of a previous case ☒ If so, state name of vessel ☒

General Remarks (State quality of workmanship, opinions as to class, &c.)

The electrical installation of this vessel has been fitted on board under special survey, tried under working conditions, & found good. It is eligible in my opinion to have the record Electric Light.

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

S.A.

1/9/26

Total Capacity of Generators *1* Kilowatts

The amount of Fee £ *3* : -

When applied for, 19

Travelling Expenses (if any) £ : :

When received, *4.12.26* 19

To J. D. Boyle & self.

P. Fitzgibbon.

Secretary to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec. Light



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