

Rpt. 13.

13 JUN 1925

No. 88601A

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

13 JUN 1925

Date of writing Report

10

When handed in at Local Office

11 JUN 1925

Port of

Liverpool

Received at London Office

No. in Survey held at

Saltney

Date, First Survey

11th May

Last Survey

10th June 1925

Reg. Book.

89668 on the M.S. Sargurena

(Number of Visits)

Tons

Gross 530

Net 245

Built at Saltney Shipyard - Chester

By whom built J. Brichton & Co. Ltd

Yard No. Y 398

When built 1925

Owners Government of Tasmania

Port belonging to Hobart

Electric Light Installation fitted by J. Brichton & Co. Limited

Contract No.

When fitted 1925

System of Distribution

2 Wire

Pressure of supply for Lighting

100 Volts

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

Yes

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

Yes

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

Yes

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

In E.R.-bottom platform

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

Yes

and

Yes

, 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

In E.R.-Top platform

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

Yes

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

Yes

and

Yes

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

Yes

, 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

2 S.P. fuses to control generator outgoing circuits protected by one main S.P.

switch & 2 S.P. fuses. Slate base and mica bushings

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

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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009301-009310-0133

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

for & on behalf of J. Brighton & Co Limited

Quintin Bell

Managing Director

Electrical Engineers

Date 10th June 1925

COMPASSES.

Distance between electric generators or motors and standard compass 24 feet

Distance between electric generators or motors and steering compass 20 feet

The nearest cables to the compasses are as follows:—

A cable carrying 1.5 Amperes 12 feet from standard compass 6 feet from steering compass.

A cable carrying ✓ Amperes ✓ feet from standard compass ✓ feet from steering compass.

A cable carrying ✓ Amperes ✓ 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 none degrees on ✓ course in the case of the standard compass, and ✓ degrees on ✓ course in the case of the steering compass.

for & on behalf of J. Brighton & Co Limited

Quintin Bell

Builder's Signature.

Date 10th June 1925

Managing Director

Is this installation a duplicate of a previous case *No* If so, state name of vessel *1*

General Remarks (State quality of workmanship, opinions as to class, etc. *This Electric Light Installation*)

has been fitted under Special Survey and is in accordance with the Rules. The Materials and Workmanship are of good quality. When tried under full working conditions, the installation was found satisfactory in every respect. In my opinion, the vessel is eligible to have the notation "Electric Light".

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

W.D. W.D.
16/6/25

Total Capacity of Generators $1\frac{1}{2}$ Kilowatts

The amount of Fee ... £ 5: 0: { When applied for, 11 JUN 1925

Travelling Expenses (if any) £ : : { When received, See Debit Book

H. G. Oxford

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

LIVERPOOL

12 JUN 1925

Assigned

Electric Light

JER



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