

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 95531.

15 JUN 1929

Date of writing Report 5th JUNE

1929

When handed in at Local Office 14 JUNE 1929

Port of

LIVERPOOL

No. in Survey held at BIRKENHEAD.

Reg. Book.

Date, First Survey 26th April

Last Survey 5th June

1929

(Number of Visits 12)

on the S.S. PEVERIL

Tons { Gross 798.
Net 320.

Built at BIRKENHEAD.

By whom built CAMMELL LAIRD & CO. LTD.

Yard No. 257.

When built 1929.

Owners THE LONDON & N. OCEAN STEAM PACKET CO.

Port belonging to

Electric Light Installation fitted by SUNDERLAND FORGE & ENGINE CO. LTD.

Contract No. 957

When fitted 1929.

System of Distribution DOUBLE WIRE.

Pressure of supply for Lighting 230

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 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 -

series with each shunt field Yes, is an adjustable regulating resistance fitted in

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 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.

their respective generators in metallic contact Yes.

are the prime movers and

Main Switch Boards, where placed 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 Yes.

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

D.P. SWITCHES & FUSES FOR GENERATOR & OUTGOING CIRCUITS.

Instruments on main switchboard 1

ammeters 1

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

LAMPS CONNECTED TO EARTH THRO' SWITCHES & FUSES.

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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Foundation

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

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.

p. pro. THE ~~SUNDERLAND~~ **SUNDERLAND** FORGE & ENGINEERING CO. LTD., Electrical Engineers. Date 5.6.29.

COMPASSES.

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 17 Ampères 10 feet from standard compass 8 feet from steering compass.

A cable carrying Ampères 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 1° E degrees on E - N. W. course in the case of the standard compass, and 4° E degrees on all courses S. E. - S. in the case of the steering compass.

Builder's Signature. Date

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

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

This Installation has been fitted in accordance with the Rules, and the workmanship is good. It has been examined under full working conditions & found satisfactory & is eligible in my opinion for record of 'Elec Light' in Register book.

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

YKm
18.6.29

Total Capacity of Generators 20 Kilowatts.

The amount of Fee ... £ 17-10-0

When applied for, 14 JUNE 1929

19

When received,

25-6-29

Travelling Expenses (if any) £

J. S. Melton.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute LIVERPOOL 14 JUNE 1929

Assigned

Electric Light



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