

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

FRI. 7 MAR. 1924

Date of writing Report *Feb. 27* 1924 When handed in at Local Office *1-3-24* Port of *Middlesbrough*

No. in Survey held at *South Bank* Date, First Survey *wharf* Last Survey *building*
(Number of Visits.....)

Reg. Book. on the *ss. "Onusshot"* Tons { Gross
Net

Built at *South Bank* By whom built *Smiths Dock Co. Ltd* Yard No. *740* When built

Owners Port belonging to *6 ft 1 in* Contract No. When fitted

Electric Light Installation fitted by *R. R. R. & Sons Ltd* *Stockton-on-Tees*

System of Distribution *Double Wire* 12.3 22.4 100 volts, Heating 11.5 60.1 100 volts, Power

Pressure of supply for Lighting *100* volts, Heating *Direct* Power

Direct or Alternating Current, Lighting *Direct*

If alternating current system, state frequency of periods per second *yes*

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*

Where more than one generator is fitted are they arranged to run in parallel *yes*, if not compound wound state distance between each generator

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 *Starboard side of Engine Room*, are they clear of all inflammable material *yes*

is the ventilation in way of the generators satisfactory *yes*, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

7" 3-0" and *to deck*, are the generators protected from mechanical injury and damage from water, steam or oil *yes*

are their axis of rotation fore and aft *yes* are the prime movers and

Earththing, are the bedplates and frames of the generating plant efficiently earthed *yes*

their respective generators in metallic contact *yes*

Main Switch Boards, where placed *Fore and Aft Engineers Stores Starboard side*

near Generator 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 *12" and 10-0" to steel deck*

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

S. B. main Switches & fuses with S. B. circuit switches & S. B. fuses

to various Distribution Boards

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 *Two Lamps*

connected in series across main fuses

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*

All Asbestos Lined

If 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.

RICHARD PICKERSGILL & SONS, LTD.

Electrical Engineers.

Date *January 24th 1924*

COMPASSES.

Distance between electric generators or motors and standard compass

160 ft.

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying *1 1/2* Amperes *2* feet from standard compass *2* feet from steering compass.

A cable carrying *5.5* Amperes *12* feet from standard compass *8* feet from steering compass.

A cable carrying *6* Amperes *50* feet from standard compass *45* 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

none

The maximum deviation due to electric currents was found to be *none* degrees on *none* course in the case of the standard compass, and *none* degrees on *none* course in the case of the steering compass.

FOR SMITH'S DOCK COMPANY, LTD.

J. W. B. Lewis

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; is of good materials and workmanship

and on completion was examined under full working conditions and found satisfactory

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

J. W. B. Lewis
8/3/24

Total Capacity of Generators *6* Kilowatts

The amount of Fee ... £ *6-0-0* When applied for, *28.2.1924*

Travelling Expenses (if any) £ *See debit book.* When received,

W. Morrison & A. D. Morrison
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im. 9. 22.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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