

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

-2 DEC 1924

Date of writing Report 19 When handed in at Local Office 1.12.19 Port of MiddlesbroughNo. in Survey held at Stockton Date, First Survey 1914 Last Survey Building 19
Reg. Book. S. S. DRAKEPOOL (Number of Visits.....)on the Stockton Built at Stockton By whom built Refuser & Co. Ltd Yard No. 546 When built 1924
Owners Port belonging toElectric Light Installation fitted by Thos. R. Pickering & Sons Contract No. When fitted 1924
Silvan Street - Stockton

System of Distribution

Pressure of supply for Lighting 100 volts, Heating 15.0 volts, Power 3.0 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 YesGenerators, do they comply with the requirements regarding overload Yes, are they compound wound Yesare they over compounded 5 per cent. -, 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 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

4 ft and Asbestos lined, are the generators protected from mechanical injury and damage from water, steam or oil.are their axis of rotation fore and aft YesEarthing, are the bedplates and frames of the generating plant efficiently earthed Yes are the prime movers andtheir respective generators in metallic contact YesMain Switch Boards, where placed on Starboard side Engine Room near Generators

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 Yesare they protected from mechanical injury and damage from water, steam or oil Yes, if situated near unprotectedwoodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards 1 ft and Asbestos linedare they constructed wholly of durable, incombustible non-absorbent materials Yes, is all insulation of high dielectric strength and ofpermanently high insulation resistance Yes, if semi-insulating material is used, are all conducting parts connected to one poleinsulated from the slab with mica or micanite and the slab similarly insulated from its framework Yes, and is theframe effectively earthed Yes Are the following fittings as per Rule, viz.: - spacing or shielding of live partsYes, accessibility of all parts Yes, absence of fuses on back of board Yes, proportion of omnibusbars 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 Double Pole switch with Single Pole Circuit Switch & Double PoleFuses to various Distribution StationsInstruments 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 Earth LampsEach PoleSwitches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules YesSection and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule YesEngine Room, Iron Frame, Asbestos lined, Accommodation - Deck basesAsbestos lined

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W1085d-0024 Register Foundation

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 November 26th 1924

COMPASSES.

Distance between electric generators or motors and standard compass

230 ft

Distance between electric generators or motors and steering compass

230 ft

The nearest cables to the compasses are as follows:—

A cable carrying 5 Ampères 10 feet from standard compass 16 feet from steering compass.

A cable carrying .75 Ampères 12 feet from standard compass 16 feet from steering compass.

A cable carrying .75 Ampères 12 feet from standard compass 16 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 20 degrees on all course in the case of the standard compass, and 20 degrees on all course in the case of the steering compass.

FOR THE ROPNER SHIPBUILDING
AND REPAIRING CO. (STOCKTON) LIM.

H. J. Forster
Secretary.

Builder's Signature.

Date Nov. 27/24.

Is this installation a duplicate of a previous case *yes* If so, state name of vessel *S.S. "Redport", Indt. Reg. No. 12099*

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.

W.D.
3/12/24

Total Capacity of Generators *7 3/4* Kilowatts

The amount of Fee ... £ *7-15-0* When applied for, *28.11.1924*

Travelling Expenses (if any) £ *✓* : : *La Gohit book.* When received, *1924*

Wm Morrison

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

50,12,23.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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