

Rpt. 13.

No. 76306

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) THU 11 JAN. 1923

Received at London Office

Date of writing Report 28/12/1922 When handed in at Local Office 9/1/1923 Port of NEWCASTLE-ON-TYNE

No. in Survey held at Newcastle Date, First Survey 20/11/22 Last Survey 15 Dec. 1922

Reg. Book. Supp.

80573 on the

Rotha

(Number of Visits...)

Tons

Gross 1100

Net 993

Built at Newcastle

By whom built Wood Skinner & Co Ltd

Yard No. 225

When built 1922

Owners Sharp Steamship Co Ltd

Port belonging to

Newcastle

Electric Light Installation fitted by Clarke Chapman & Co Ltd Contract No. 225 When fitted 1922

System of Distribution

Double wire system.

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 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

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 in engine room starboard side

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 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 on starboard bulkhead of engineer's store 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

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

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

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole switch

fuses on dynamo leads, single pole switch + double pole fuses on each outgoing circuit

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 earth lamps

through fuses + switches to earth

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

[illegible]

Date 4/1/23

The maximum deviation due to electric currents was found to be nil degrees on all course in the case of the standard compass, and nil degrees on all course in the case of the steering compass.

Date 8/1/23

The above installation is in accordance with the Societys Rules.
This vessel is eligible in my opinion for rotation elec light, wicks.

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

26/1/23

Travelling Expenses (if any) £ : : 28/12/22

Assigned

im. 3.22.—Transfer.



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