

Rpt. 13.

No. 83275

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

23 OCT 1928

Received at London Office

Date of writing Report

19

When handed in at Local Office

22.10.1928

Port of

NEWCASTLE-ON-TYNE

No. in Survey held at *Newcastle.*

Date, First Survey

3rd Sept

Last Survey

7th Sept

1928

Reg. Book. Suff.

(Number of Visits...2...)

90270 on the *S.S. Geddington Court.*

Tons

Gross

Net

Built at *Newcastle.*By whom built *North S.B. Co (1927) Ltd*Yard No. *405*When built *1928*Owners *United British S.S. Co Ltd*

Port belonging to

*London*Electric Light Installation fitted by *Messrs Campbell & Sherwood & Co Ltd*

Contract No.

When fitted *1928.***System of Distribution***Double wire***Pressure of supply for Lighting***110*

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

—

, is an adjustable regulating resistance fitted in

series with each shunt field

Yes

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 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 axes 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***Engine room starboard side*

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 micaite 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*Double pole**switch + fuses on dynamo mains. Single pole switch + double pole fuses on each outgoing circuit***Instruments** on main switchboard*one*

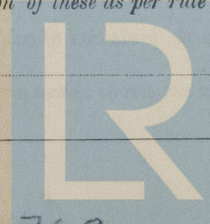
ammeters

one

volts meters

—

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**coupled to earth through 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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008789-008795-0200

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.

CAMPBELL & ISHERWOOD LTD

PER Y. H. Meade Electrical Engineers.

Date 2nd Oct 1928

COMPASSES.

Distance between electric generators or motors and standard compass 86 feet.

Distance between electric generators or motors and steering compass 80 feet.

The nearest cables to the compasses are as follows:—

A cable carrying .18 Ampères on the ~~feet from~~ standard compass 8 feet from steering compass.

A cable carrying .18 Ampères 8 feet from standard compass on the ~~feet from~~ steering compass.

A cable carrying 4.5 Ampères 10 feet from standard compass 5 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 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.

FOR NORTHUMBRIA SHIPBUILDING Co. (1927) LTD.

J. Ramsay Geddie Builder's Signature.

Date 17th Oct. 1928

Is this installation a duplicate of a previous case yes. If so, state name of vessel Sinnington Boust

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

The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation elec light wireless.

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

W.T. Badger
27/10/28

Total Capacity of Generators 15 Kilowatts.

The amount of Fee ... £ 15 : - : When applied for, 18.9 19 28
Travelling Expenses (if any) £ : : When received, 22.9 19 28

W.T. Badger
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned Elec Light



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