

Rpt. 13.

Std No. 29601.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report

19

When handed in at Local Office

24/1/28

Port of

NEWCASTLE-ON-TYNE.

SUNDERLAND

No. in Survey held at *Sunderland.*
Reg. Book *Supp.*

Date, First Survey

15th Nov?

Last Survey

16th Dec. 1927

(Number of Visits.....9.....)

41133 on the *S. S. Holystone*Tons { Gross *5462*
Net *3336*Built at *Sunderland.*By whom built *Short Bros Ltd.*Yard No. *427*When built *1927*Owners *Northumbrian Shipping Co Ltd*

Port belonging to

*Newcastle.*Electric Light Installation fitted by *The Sunderland Dergelung Co Ltd.* Contract No. *427* When fitted *1927.***System of Distribution***Double Wre*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 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***Main 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 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 *Main 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*if semi-insulating material is used, are all conducting parts connected to one pole *Yes*, and is the insulated from the slab with mica or micanite and the slab similarly insulated from its framework *Yes*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

*Double Pole Switch & Fuses on Main Generator**Single Pole Switch & Double Pole Fuses on each Feeder 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

*Lamps Switches & 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*

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Foundation

W4/0147(1/2)

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.

a. pro. THE SUNDERLAND FORGE & ENGINEERING CO. LD. Electrical Engineers.

Date 12th Jan. 1928.

H. Haffner

COMPASSES.

Distance between electric generators or motors and standard compass 120 feet

Distance between electric generators or motors and steering compass 116 feet

The nearest cables to the compasses are as follows:—

A cable carrying 13.6 Amperes 6 feet from standard compass 8 feet from steering compass.

A cable carrying 1.8 Amperes 2 feet from standard compass 2 feet from steering compass.

A cable carrying Amperes 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 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 SHORT BROTHERS, LIMITED.

Yes

H. Haffner

DIRECTOR

Builder's Signature.

Date 18/1/-28.

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.)

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

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

Elec. Light

W.T. Badger

28/1/28

Total Capacity of Generators 10 Kilowatts

The amount of Fee ... £ 10: : When applied for, 6 Jan 19 28

Travelling Expenses (if any) £ : : When received, 1. 2. 28

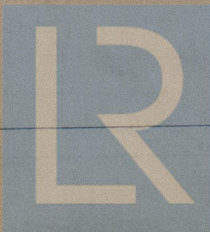
W.T. Badger

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec. Light



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