

Rpt. 13.

No. 13115

**REPORT ON ELECTRIC FITTINGS.**

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office on 2.3. NOV 1927  
MIDDLESBROUGH.

Date of writing Report 19. 11. 1927 When handed in at Local Office 19. 11. 1927 Port of

No. in Survey held at STOCKTON

Date, First Survey 19. 10. 27 Last Survey 9. 11. 1927

Reg. Book.

(Number of Visits.....6.....)

40987 Sup. on the S.S. GLOCLIFFE.

Tons { Gross 4600.59  
Net 2810.14

Built at STOCKTON-ON-TEES. By whom built CRAIG TAYLOR &amp; CO LTD Yard No. 222 When built 1927.

Owners Globe Shipping Co Ltd. Port belonging to Cardiff.

Electric Light Installation fitted by SUNDERLAND FORGE &amp; ENGINEERING CO LTD. Contract No. When fitted 1927.

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 NO, is an adjustable regulating resistance fitted in series with each shunt field —

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 IN MAIN ENGINE ROOM, STAR 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 IN MAIN ENGINE ROOM, ON SIDE OF STORE

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 micanite 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 &amp; FUSES FOR MAIN GENERATOR. SINGLE POLE SWITCH &amp; DOUBLE POLE FUSES FOR 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 LAMP, SWITCH &amp; FUSE ON EACH POLE

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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[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.

p.pro THE SUNDERLAND FORGE AND ENGINEERING CO. LTD.

Electrical Engineers.

Date 15.11.27.

#### COMPASSES.

Distance between electric generators or motors and standard compass 120 FEET

Distance between electric generators or motors and steering compass 112 FEET

The nearest cables to the compasses are as follows:—

A cable carrying 6.83 Ampères 8 feet from standard compass 8 feet from steering compass.

A cable carrying 2 Ampères 8 feet from standard compass LED INTO feet from steering compass.

A cable carrying 2 Ampères LED INTO feet from standard compass 8 feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power 46

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted 46

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

For CRAIG, TAYLOR & CO. LIMITED,

H. Taylor

Director.

Builder's Signature.

Date 21 Nov. 1927

Is this installation a duplicate of a previous case ✓ If so, state name of vessel ✓

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

The materials and workmanship are good. This electric light installation has been fitted aboard under special survey in accordance with the Rules and is, in my opinion, suitable for a vessel classed with this Society.

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

JWD  
26/11/27

Total Capacity of Generators 8. Kilowatts.

The amount of Fee ... £ 8-0-0

When applied for,

11.11.19.27

Travelling Expenses (if any) £ :

When received,

15.11.19.27

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec light



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