

Rpt. 13.

No. 29682

**REPORT ON ELECTRIC FITTINGS.**

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 10 MAY 1928

Date of writing Report

19

When handed in at Local Office

9 MAY 1928

Port of SUNDERLAND

No. in Survey held at

Sunderland

Date, First Survey

1st 8 '28

Last Survey

17th 1928

Reg. Book. Supp.

(Number of Visits.....)

40044 on the

S.S. "Bosnia"

Tons

Gross 2396

Net 1247

Built at

Sunderland

By whom built

J. L. Thompson

Yard No. 560

When built

1928

Owners

America-Levant Line Ltd

Port belonging to

London

Electric Light Installation fitted by

Messrs Sunderland Docks &amp; Docking Co

Contract No. 560

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 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 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

IN 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

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

, 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

AND FUSES FOR MAIN GENERATOR. SINGLE POLE SWITCH &amp; DOUBLE POLE FUSES FOR EACH OUTGOING CIRCUIT.

Instruments on main switchboard

1

ammeters

1

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 LAMP, SWITCH &amp;

FUSE ON EACH POLE

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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W560-0112 1/2



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

[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.

THE SUNDERLAND FORGE & ENGINEERING CO. LTD. Electrical Engineers.

Date 16th April 1928.

#### COMPASSES.

Distance between electric generators or motors and standard compass 78 FEET.  
Distance between electric generators or motors and steering compass 70 FEET.  
The nearest cables to the compasses are as follows :—  
A cable carrying 6.32 Ampères 10 feet from standard compass 10 feet from steering compass.  
A cable carrying .2 Ampères 10 feet from standard compass LED INTO feet from steering compass.  
A cable carrying .2 Ampères LED INTO feet from standard compass 10 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.

JOSEPH L. THOMPSON & SONS, LIMITED,

Builder's Signature.

Date 23/4/28

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 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

Total Capacity of Generators 10 Kilowatts

The amount of Fee ... £ 10 : When applied for, 21 March 1928

Travelling Expenses (if any) £ : When received, 23 March 1928

W.T. Badger.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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