

Rpt. 13.

No. 29014.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 12 FEB 1925

Date of writing Report

19

When handed in at Local Office

11 FEB. 1925

Port of

SUNDERLAND.

No. in Survey held at

SUNDERLAND.

Date, First Survey

Nov. 26

Last Survey

Dec. 5 1924

Reg. Book.

"QUERIMBA"

(Number of Visits.....)

on the

Tons

Gross 7769.24

Net 4771.97

Built at

SUNDERLAND

By whom built

W^M GRAY & CO LTD

Yard No.

964

When built

1924

Owners

BRITISH INDIA STEAM NAVIGATION CO LTD

Port belonging to

LONDON

Electric Light Installation fitted by

W^M GRAY & CO LTD

Contract No.

When fitted 1924

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

YES

, is an adjustable regulating resistance fitted in

series with each shunt field

YES

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

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

NEAR DYNAMO

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

, 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 SWITCHES & FUSES — SINGLE SWITCHES & DOUBLE POLE FUSES.

Instruments on main switchboard

ammeters

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, 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.

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.

FOR THE WEAR SHIPYARD

W. B. Shaw
MANAGER

Electrical Engineers.

Date *31st Dec. 1924*

COMPASSES.

Distance between electric generators or motors and standard compass *200 Feet*

Distance between electric generators or motors and steering compass *190 "*

The nearest cables to the compasses are as follows:—

A cable carrying *7* Ampères *7* feet from standard compass *5* feet from steering compass.

A cable carrying *32* Ampères *35* feet from standard compass *30* feet from steering compass.

A cable carrying *15* Ampères *35* feet from standard compass *30* feet from steering compass.

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

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

The maximum deviation due to electric currents was found to be _____ degrees on _____ course in the case of the standard

compass, and _____ degrees on _____ course in the case of the steering compass.

FOR THE WEAR SHIPYARD

W. B. Shaw
MANAGER

Builder's Signature.

Date *31st Dec. 1924*

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. *as far as seen this installation*)

has been fitted in a satisfactory manner and in accordance with the Rules.

The vessel has now left for W. Hartlepool and to complete survey the wiring in the E. & B. space has to be carried out and installation tried under working conditions. Surveyors advised.

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

J. W. D.
13/1/25

Total Capacity of Generators *35* Kilowatts

The amount of Fee ... *£23 : 15 :* When applied for, *10th Jan 25*

Travelling Expenses (if any) : *15th Jan 25* When received, *from*

A. S. Hall

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

1m. 3. 22.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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