

W1109-0221 1/2

Rpt. 13.

REPORT ON ELECTRIC FITTINGS.

No. 7395

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report Jan 5 1927

When handed in at Local Office Jan 10 1927

Port of Trieste

Received at London Office

18 JAN 1927

No. in Survey held at

Reg. Book.

80181

on the

S. S. Pleias

Date, First Survey

30th June

Last Survey

20th Dec 1927

(Number of Visits)

five

Tons

Gross 416

Net 194

Built at

Venice (Mestre)

By whom built

Loc. Ital. E. Breda

Yard No.

20

When built

1926

Owners

Loc. Ital. E. Breda

Port belonging to

Venice

Electric Light Installation fitted by

Celso Mantovani Venice

Contract No.

When fitted

1926

System of Distribution Two wire ✓

Pressure of supply for Lighting 115 ✓

volts, Heating —

volts, Power 115 ✓

volts.

Direct or Alternating Current, Lighting Direct ✓

Power Direct ✓

If alternating current system, state frequency of periods per second 1/.

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 Shunt ✓

are they over compounded 5 per cent. 1/.

, if not compound wound state distance between each generator 1/.

Where more than one generator is fitted are they arranged to run in parallel 1/.

, 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 In Engine Room platform

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

1/.

, 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 ✓

their respective generators in metallic contact yes ✓

are the prime movers and

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 1/.

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 1/.

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 ✓

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 knife switches and fuses in each pole

Instruments on main switchboard

1

ammeters

1

volts

1/.

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

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

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.

DITTA C. MANTOVANI

DI FERUCCIO TOLOTTI

Electrical Engineers.

Date

Ferruccio Tolotti

COMPASSES.

Distance between electric generators or motors and standard compass *14'*

Distance between electric generators or motors and steering compass *17'*

The nearest cables to the compasses are as follows:—

A cable carrying *2* Amperes *4* feet from standard compass *5* feet from steering compass.

A cable carrying *25* Amperes *in the* feet from standard compass *in the* 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

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.



SOCIETA ITALIANA ERNESTO BREDA

SEZIONE CANTIERE NAVALE

Dispositi

Strumenti

Builder's Signature.

Date

Ferruccio Tolotti

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.)

This electric installation has been made in accordance with the Rule the material and workmanship are good. The generator has been tested in accordance with the Rules and found satisfactory.

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

Total Capacity of Generators *10* Kilowatts

The amount of Fee ...

Line 1080

When applied for,

15.1.27

Travelling Expenses (if any) £

When received,

21/3/27

St. Petersburg

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 21 JAN 1927

Assigned

Elec. light