

Rpt. 13.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 79233

Date of writing Report

19

When handed in at Local Office

4/6/12 Port of

Received at London Office

-5 JUN 13

No. in Survey held at NewcastleDate, First Survey 4 Feb.

Last Survey

7 May1925

Reg. Book. Supt.

89297 on the "Inanda"(Number of Visits 15)Tons { Gross
NetBuilt at NewcastleBy whom built Swan Hunter & Wigham Richardson Yard No. 1259When built 1925

Owners

J. & J. Harrison

Port belonging to

LiverpoolElectric Light Installation fitted by Swan Hunter & Wigham RichardsonContract No. 1259When fitted 1925System of Distribution Double wire system volts, Power _____ volts.Pressure of supply for Lighting 100 volts, Heating _____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 yesGenerators, do they comply with the requirements regarding overload yes, are they compound wound yesare they over compounded 5 per cent. yes, if not compound wound state distance between each generator _____more than one generator is fitted are they arranged to run in parallel no, is an adjustable regulating resistance fitted in _____each shunt field yes, are they so spaced or shielded that they cannot be accidentally earthed, _____terminals accessible and clearly marked yes, Are the lubricating arrangements of the generators as per Rule _____circuited yes n of Generators Engine room starboard side midshipventilation in way of the generators satisfactory yes, are they clear of all inflammable material yes

situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators _____

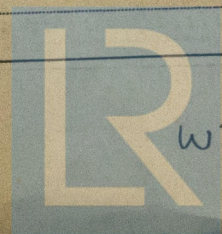
and _____, are the generators protected from mechanical injury and damage from water, steam or oil yesaxis of rotation fore and aft yes, are the prime movers and _____ing, are the bedplates and frames of the generating plant efficiently earthed yesrespective generators in metallic contact yesSwitch Boards, where placed Engine room starboard side midship

If the generators and main switchboard are not placed in the same compartment, is each generator provided with _____

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 yesprotected 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 _____

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 _____bars yes, accessibility of all parts yes, absence of fuses on back of board yes, proportion of omnibus _____connections of switches yesMain Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole changeover switch & fuses on dynamo trains. Single pole switch & double pole fuses oneach outgoing circuitInstruments on main switchboard 2 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 Switches & earthlamps fitted on each insulated poleSwitches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yesSection and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes

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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
SWAN. HUNTER. & WIGHAM RICHARDSON, LTD.

Electrical Engineers.

Date

2nd June 1925

Edw. Ross. AMEE.

COMPASSES.

Distance between electric generators or motors and standard compass

142 feet

Distance between electric generators or motors and steering compass

140 feet

The nearest cables to the compasses are as follows:—

A cable carrying .3 Amperes 10 feet from standard compass 10 feet from steering compass.

A cable carrying .6 Amperes 30 feet from standard compass 30 feet from steering compass.

A cable carrying 4.6 Amperes 45 feet from standard compass 45 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

courses in the case of the standard

compass, and

nil

degrees on

all

courses in the case of the steering compass.

For

SWAN. HUNTER & WIGHAM RICHARDSON LTD.

Abington

Builder's Signature.

Date

2nd June 1925

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 etc. light. wireless

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

Free Light.

W.T. Badger

Total Capacity of Generators 75 Kilowatts

The amount of Fee ...

£ 30: -

When applied for,

23/5/25

Travelling Expenses (if any): £

When received,

28/5/25

W.T. Badger

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned