

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 14th 1900

Date of writing Report 19 When handed in at Local Office 18 OCT 1922 Port of SUNDERLAND.

No. in Survey held at SUNDERLAND. Date, First Survey Sep 6 Last Survey 21st Sept 1922
Reg. Book. (Number of Visits 2)on the 5/5 "Stakesby" Tons { Gross 4767
Net 2906

Built at Sunderland By whom built J. Thompson & Sons Ltd Yard No. 544 When built 1920

Owners Harland & Warwoods & Co Ltd Port belonging to Whitty

Electric Light Installation fitted by The Sunderland Forge & Eng Co Ltd Contract No. When fitted 1922

System of Distribution Two Wire

Pressure of supply for Lighting 100 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 no, 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

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

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

Main Switch Boards, where placed close to Generators

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 & fuses for generator, Single pole switches & double

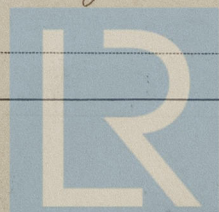
pole fuses for outgoing circuits

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 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



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Lloyd's Register
Foundation

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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.

p.pro. THE SUNDERLAND FORGE & ENGINEERING CO., LTD.

Electrical Engineers.

Date 13th October 1922

COMPASSES.

Distance between electric generators or motors and standard compass 126 feet
Distance between electric generators or motors and steering compass 120 feet

The nearest cables to the compasses are as follows:—

A cable carrying 10.8 Ampères 4 feet from standard compass 12 feet from steering compass.

A cable carrying .56 Ampères 6 feet from standard compass led into ~~from~~ steering compass.

A cable carrying .56 Ampères led into ~~from~~ standard compass 6 ~~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 any course in the case of the standard compass, and nil degrees on any course in the case of the steering compass.

JOSEPH L. THOMPSON & SONS, LIMITED,

J. L. Thompson
Chairman

Builder's Signature.

Date 16th Oct. 1922

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 installation has been satisfactorily fitted in the vessel, tested and found good.

It is submitted that
this vessel is eligible for
THE RECORD. Elec. Light.
C.H.B.
1/11/22

Total Capacity of Generators 10 Kilowatts

The amount of Fee ... £ 10 :- : 23.9.22

Travelling Expenses (if any) £ : : See debit book.

L.C. Davis
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

1m. 322.—Transfer.
(The Surveyor are requested not to write on or below the space for Committee's Minute.)