

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 8th Feb. 1923 When handed in at Local Office 21st Feb. 1923 Port of SouthamptonNo. in Survey held at Cowes Date, First Survey 12th Feb. Last Survey 20th Feb. 1923
Reg. Book. on the Paddle Ferry Steamer "GORDON" (Number of Visits 4)Built at Cowes By whom built J.S. White & Co. Ltd. Yard No. 1590 When built 1923
Owners London County Council Port belonging to London Tons { Gross 608.79
Net 310.93

Electric Light Installation fitted by Selford, Grier & Mackay Ltd. Contract No. 1590 When fitted 1923.

System of Distribution Double wire loop-in system ✓

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 —, 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

Position of Generators One generator on starting platform, are they clear of all inflammable material Yes

is the ventilation in way of the generators satisfactory Yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

No wood and, are the generators protected from mechanical injury and damage from water, steam or oil Yes

are their axis of rotation fore and aft Athwartships ✓

Earthing, are the bedplates and frames of the generating plant efficiently earthed Yes, are the prime movers and their respective generators in metallic contact coupled direct

Main Switch Boards, where placed Switchboard on Bulkhead beside 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 None and Main Switchboard Marble

are they constructed wholly of durable, incombustible non-absorbent materials Fuse Boxes Glazed Potcelain, is all insulation of high dielectric strength and of permanently high insulation resistance Yes

insulated from the slab with mica or micanite and the slab similarly insulated from its framework Terminals bushed with Mica Main S.B., 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 None, 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 D.P. 100 amp Switch & Fuses for Dynamo, & 8 S.P. 25 amp. Switches with D.P. Potcelain bridge fuses for each circuit.

Instruments on main switchboard One ammeters One 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 Two 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

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 Telford, Grier & Mackay Ltd
(D Macmillan)

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying Ampères feet from standard compass feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

A cable carrying Ampères feet from standard compass 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 J. SAMUEL WHITE & COMPANY, Ltd.

Builder's Signature.

Date 12-2-1923.

Managing Director.

Is this installation a duplicate of a previous case Yes If so, state name of vessel

"Squires"

General Remarks (State quality of workmanship, opinions as to class, etc.)

This installation has been fitted in accordance with the requirements of the Rules. The materials and workmanship are good. The installation has been tried under full working conditions, and found satisfactory. The vessel is in my opinion eligible for the notation "Elec. Light."

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

Total Capacity of Generators

6

Kilowatts

The amount of Fee

£ 6 : 0 :

When applied for,

21st Feb. 1923.

Travelling Expenses (if any) £ :

When received,

See debit book.

Committee's Minute

TUE. 27 FEB. 1923

Assigned

Im 422—Transfer.
(The Surveyor are requested not to write on or below the space for Committee's Minute.)



© 2020

Lloyd's Register
Foundation