

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 13 MAY 1925

Date of writing Report 24.4.1925 When handed in at Local Office 12.5.1925 Port of GLASGOW.

No. in Survey held at GLASGOW. Date, First Survey 6.4.25 Last Survey 23.4.1925
Reg. Book. " S. S. FULLERTON ROSE (Number of H.P.s 4)88873. on the Tons { Gross 1594
Net

Built at PAISLEY. By whom built J. FULLERTON & CO. Yard No. 273. When built 1925.

Owners MESSRS R. HUGHES & CO. Port belonging to LIVERPOOL.

Electric Light Installation fitted by MR JAMES ESPIE Contract No. 273 When fitted 1925

System of Distribution

Route wire system

Pressure of supply for Lighting 110 volts, Heating — volts, Power — volts.

Direct or Alternating Current, Lighting Direct Current 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 only one Generator, 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 —

none 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 Engine Room close to Generator —

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 same compartment

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 —

are they constructed wholly of durable, incombustible non-absorbent materials yes. slate, 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 micaite 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 none, proportion of omnibus

bars. copper 3/4" x 1/2", 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

S.P. switches S.P. fuses.

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 testing 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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W560-0092 1/2

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.

James Espe

Electrical Engineers.

Date 29th April 1925.

COMPASSES.

Distance between electric generators or motors and standard compass

Distance between electric generators or motors and steering compass

80 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 6 Amperes — feet from standard compass 10 feet from steering compass.

A cable carrying 3 Amperes — feet from standard compass in 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 yes.

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard compass, and 10 degrees on avg. course in the case of the steering compass.

John Fullerton O. Builder's Signature.

Date 4 May 1925

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

Yes.

S.S. Bonnal Rose.

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

This installation has been fitted on board under special survey tested under full working conditions and found satisfactory. The workmanship was found to be good and sound.

Blue Light.

13/5/25.

Total Capacity of Generators 8.9 Kilowatts

The amount of Fee £ 5.0.0.

When applied for, 5/5/25.

Travelling Expenses (if any) £ :

When received, 19/5/25.

Committee's Minute GLASGOW 12 MAY 1925

Assigned Elec. Light.

J. S. Rankin
Surveyor to Lloyd's Register of Shipping.



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