

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

10 DEC 1924

Date of writing Report 6. 11. 1924 When handed in at Local Office 8. 12. 1924 Port of GLASGOW.

No. in Survey held at TROON. Date, First Survey 29. 10. 24 Last Survey 5. 5. 1924
Reg. Book. (Number of Visits 2)87999. on the S. S. BERYL. Tons { Gross 568
Net —

Built at TROON. By whom built THE AILSA S. B. CO. LTD. Yard No. 390. When built 1924.

Owners MESSRS WM ROBERTSON. Port belonging to GLASGOW.

Electric Light Installation fitted by MESSRS TELFORD GRIER & MACKAY. Contract No. 390. When fitted 1924.

System of Distribution Two Wire

Pressure of supply for Lighting 110 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 In Engine Room near Starting Platform Starboard Side

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 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 On Bulkhead beside 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 —

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 Slate Slab

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

Generator Double Pole Switch with two Single Pole Fuses

Circuits Single Pole Switch with two Single Pole Fuses

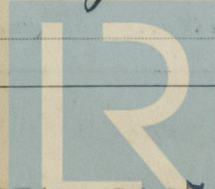
Instruments on main switchboard one ammeter one voltmeter — synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Each bus bar connected to Earth through switch fuse lamp in series.

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.

Telford Lewis & Mackay & Co.

Electrical Engineers.

Date *1/Dec/24*

COMPASSES.

Distance between electric generators or motors and standard compass *85 feet*

Distance between electric generators or motors and steering compass *85 feet*

The nearest cables to the compasses are as follows:—

A cable carrying *7* Amperes *3* feet from standard compass *3* feet from steering compass.

A cable carrying *1/2* Amperes *one* feet from standard compass *one* 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 *nil* degrees on *any* course in the case of the standard compass, and _____ degrees on _____ course in the case of the steering compass.

AILS A SHIPBUILDING CO., LIMITED.

W. H. Stowell Secretary.

Builder's Signature.

Date *2nd Dec 1924*

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 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.

Elec. Light.

W. H. Stowell
10/12/24

Total Capacity of Generators *4* Kilowatts

The amount of Fee ... £ *50.00* : *18/11/24*

Travelling Expenses (if any) £ : *21/11/24*

W. H. Stowell

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

Committee's Minute *GLASGOW 9-DEC 1924*

Assigned *Elec Light*



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