

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 20 AUG 1926

Date of writing Report 21. 4. 1926 When handed in at Local Office 20. 8. 1926 Port of GLASGOW.

No. in Survey held at PORT GLASGOW. Date, First Survey 3rd Mar. Last Survey 4th May 1926
Reg. Book. (Number of Visits 6)83782. on the S. S. ULMUS Tons {Gross 269 }
Net 1672

Built at PORT GLASGOW. By whom built DUNLOP BREMNER & CO Yard No. 350 When built 1926.

Owners MESSRS THE ARBOR SHIPPING CO Port belonging to LONDON.

Electric Light Installation fitted by MESSRS H. T. ROBERTSON & CO Contract No. 350 When fitted 1926.

System of Distribution *Double 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 _____
 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 *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 *Starting Platform* ✓
 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
D/P main switches & D/P circuit switches for each outgoing circuit

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.

*Two lamps in series earthed*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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Foundation

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[illegible]

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.

W. Robertson & Co.

Electrical Engineers.

Date *14/5/26*

COMPASSES.

Distance between electric generators or motors and standard compass *100 ft.*

Distance between electric generators or motors and steering compass *100 ft.*

The nearest cables to the compasses are as follows:—

A cable carrying *2* Amperes *into the* from standard compass *2* *into the* steering compass.

A cable carrying *6* Amperes *10'* feet from standard compass *10'* 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 *no* degrees on *every* course in the case of the standard compass, and *no* degrees on *any* course in the case of the steering compass.

Christie & Wilson

Builder's Signature.

Date

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.

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

J. W. D.
26/8/26

Total Capacity of Generators *7* Kilowatts

The amount of Fee ... *£ 7 0 0* : *When applied for, 2/6*

Travelling Expenses (if any) *£ 10/6* : *When received, 2/5 19/6*

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

Committee's Minute *GLASGOW 24 AUG 1926*

Assigned *Elec. Light*



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