

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 26.10.1928 When handed in at Local Office 30.10.1928 Port of GLASGOW.

No. in Survey held at GLASGOW. Date, First Survey 11.9.28 Last Survey 29.10.1928
 Reg. Book. 91070 on the TWIN SCREW FERRY "M.O.P.S.B.A." (Number of Visits 10)

Built at GLASGOW. By whom built MESSRS YARROW & CO. LTD Yard No. 1559 When built 1928.

Owners THE ARGENTINE GOVERNMENT. Port belonging to BUENOS. AYRES.

Electric Light Installation fitted by MESSRS YARROW & CO. LTD Contract No. 1559 When fitted 1928.

"OTHER THAN PROPULSION."

System of Distribution TWO WIRE D.C.

Pressure of supply for Lighting 125. volts, Heating 125. volts, Power 125. volts.

Direct or Alternating Current, Lighting DIRECT. Power DIRECT.

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 rating 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, clearly marked, and furnished with sockets YES. are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched YES.

Are the lubricating arrangements of the generators as per Rule YES.

Position of Generators ENGINE ROOM. IN TANDEM WITH PROPULSION GENERATORS.

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 YES.

and ✓ are the generators protected from mechanical injury and damage from water, steam or oil YES.

are their axes of rotation fore and aft YES. (EMERGENCY PATROL SET THWARTSHIPS) are the prime movers and

Earthing, are the bedplates and frames of the generating plant efficiently earthed YES.

their respective generators in metallic contact YES.

Main Switch Boards, where placed IN ENGINE ROOM.

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, non-ignitable 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 insulated from the slab with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework YES.

and is the frame effectively earthed YES. Are the fittings as per Rule regarding:— 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

MAIN SWITCHES AND FUSES ON ALL CIRCUITS.

Instruments on main switchboard ammeters 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.

Joint Boxes 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 & ON BEHALF OF
YARROW & CO. Ltd.

Alfred J. Stanger
Secretary

Electrical Engineers.

Date *29th Oct 1928*

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 *25* Amperes ☒ feet from standard compass *17' 0"* feet from steering compass.

A cable carrying *5* Amperes ☒ feet from standard compass *6'* 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 _____ course in the case of the standard compass, and ☒ degrees on *any* course in the case of the steering compass.

FOR & ON BEHALF OF
YARROW & CO. Ltd.

Alfred J. Stanger
Secretary

Builder's Signature.

Date *29th Oct 1928*

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 load conditions and found satisfactory. The materials and workmanship were found to be good and sound.

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

Elec. Light

W.A. 6/11/28.

Total Capacity of Generators *80* Kilowatts.

See London Letter of 23/3/28.

The amount of Fee ... *£20.6.8*

When applied for,

When received,

Travelling Expenses (if any) £

Committee's Minute

Assigned

Elec. Light

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



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Foundation