

31 OCT 1928

No. 6566

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

4 OCT 1928

Date of writing Report Oct 3rd 1928 When handed in at Local Office Oct 3rd 1928 Port of MANCHESTER.No. in Survey held at MANCHESTER.
Reg. Book.Date, First Survey May 21st Last Survey Sept 7th 1928
(Number of Visits.....)on the Twin Screw Double Ended Ferry M.O.P. 5 B ATons { Gross 127
Net 155Built at Glasgow.By whom built Messrs Yarrow & Co. LtdYard No. 1559

When built

Owners Director General of Navigation Port belonging to Buenos Ayres
& Harbours.

Electric Light Installation fitted by

Contract No.

When fitted

System of Distribution Two wirePressure of supply for Lighting 125 volts. Heating 125 volts. Power 125 volts.Direct or Alternating Current, Lighting Direct Power DIRECTIf 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

Generators, do they comply with the requirements regarding over-voltage Yes are they compound wound Yesare 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 Yes is an adjustable regulating resistance fitted inseries with each shunt field YesAre 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

is the ventilation in way of the generators satisfactory are they clear of all inflammable material

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

are their axis of rotation fore and aft

Earthing, are the bedplates and frames of the generating plant efficiently earthed are the prime movers and

their respective generators in metallic contact

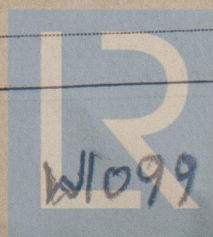
Main Switch Boards, where placed

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

are they protected from mechanical injury and damage from water, steam or oil 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 ofpermanently high insulation resistance Yes if semi-insulating material is used, are all conducting parts connected to one poleinsulated from the slab with mica or micanite and the slab similarly insulated from its framework Yes and is theframe effectively earthed Yes Are the following fittings as per Rule, viz.:— spacing or shielding of live partsYes, accessibility of all parts Yes, absence of fuses on back of board Yes, proportion of omnibusbars Yes, individual fuses to voltmeter, pilot or earth lamp Yes, connections of switches YesMain Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Triple pole C.B. withinterlocked equalizer. D.P. switch fuses.Instruments on main switchboard Necessary ammeters Necessary voltmeters Nil 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 YesSection 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.

[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.

METROPOLITAN-VICKERS ELECTRICAL CO. LTD.
TREASURER

Electrical Engineers.

Date 28. 9. 28.

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 Amperes feet from standard compass feet from steering compass.

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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 or course in the case of the standard compass, and degrees or course in the case of the steering compass.

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, reference to class, etc. The above auxiliary generators have been)

built under Special Survey. The materials of the armatures and stators of the 35 kw machines have been tested in accordance with the Specification. The materials have been examined and found as far as could be seen sound and the workmanship generally is good.

The machines proved satisfactory on full and overload tests.

The above electrical machinery is in my opinion eligible for the notation of + L.M.C with date when fitted on board the vessel in accordance with the Rule Requirements.

Total Capacity of Generators 80 Kilowatts

The amount of Fee ... £ ✓ :

When applied for,

19

Travelling Expenses (if any): £ ✓ :

When received,

19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

1m. 3. 22.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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