

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 16 MAY 1928

Date of writing Report

19

When handed in at Local Office

15 MAY 1928

Port of

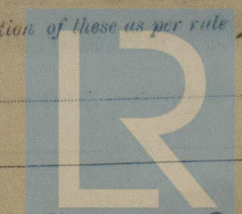
NEWCASTLE-ON-TYNE & SUNDERLAND

No. in Survey held at Sunderland.Date, First Survey Mar 8 Last Survey Apr 14 1928Reg. Book. Supp.

(Number of Visits.....)

41027. on the M.V. "Glenmoot"Tons { Gross 4393Net 2649Built at Sunderland.By whom built W. Doseford & Sons.Yard No. 591.When built 1928Owners Maat hien Ld.

Port belonging to

LondonElectric Light Installation fitted by Messrs Campbell Isherwood & Co Ld. Contract No.When fitted 1928.System of Distribution Double wirePressure of supply for Lighting 110 volts, Heating — volts, Power 110 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 YesGenerators, do they comply with the requirements regarding rating Yes, are they compound wound Yesare they over compounded 5 per cent. Yes., if not compound wound state distance between each generatorWhere 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 no.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 starboard side.is the ventilation in way of the generators satisfactory Yes, are they clear of all inflammable material Yesif 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 Yesare their axes of rotation fore and aft YesEarthing, are the bedplates and frames of the generating plant efficiently earthed Yes are the prime movers andtheir respective generators in metallic contact YesMain Switch Boards, where placed Engine room starboard side.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 Yesare 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 slabwith mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework Yesand is the frame effectively earthed Yes Are the fittings as per Rule regarding:— 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 Double pole circuit breaker on dynamos. Single pole change over switch & double pole fuses on each outgoing circuitInstruments on main switchboard two ammeters two 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 lampscoupled to earth through switches & fuses.Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules YesJoint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule Yes

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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.

CAMPBELL & HENDERSON LTD

Thomas Meade Electrical Engineers.

Date 2nd May 1928

COMPASSES.

Distance between electric generators or motors and standard compass 87 feet.

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying .25 Ampères on the feet from standard compass 10 feet from steering compass.

A cable carrying .25 Ampères 10 feet from standard compass on the feet from steering compass.

A cable carrying Ampères 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 all course in the case of the standard compass, and nil degrees on all course in the case of the steering compass.

WILLIAM DOXFORD & SONS, Limited.

A. Fullacher.

Builder's Signature.

Date 10/5/28.

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.)

The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation electric light wireless

It is submitted that
this vessel is eligible for
THE RECORD

Electric light

21/5/28.

Total Capacity of Generators 25 Kilowatts.

The amount of Fee ... £ 20 : : When applied for, 13 April 1928

Travelling Expenses (if any) £ : : When received, 18 April 1928

W.T. Badger.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Electric light



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