

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

SAT 10 MAY 1924

Date of writing Report 19 When handed in at Local Office 9/5/24 Port of NEWCASTLE-ON-TYNE

No. in Survey held at Newcastle.
Reg. Book. Supp.

Date, First Survey 18 Feb/24 Last Survey 22 April 1924

(Number of Visits.....)

38529 on the S.S. "Cambswell"

Tons { Gross 1570

Net 900

When built 1924

Built at Newcastle.

By whom built Dyne, J. S. B. & Co. Ltd

Yard No. 227

Owners South Metropolitan Gas Co.

Port belonging to London

Electric Light Installation fitted by Campbell Isherwood & Co. Ltd

Contract No.

When fitted 1924

System of Distribution Double wire system ✓

Pressure of supply for Lighting 100 ✓ 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 no

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 Engine room 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 —

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 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 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

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

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole switches

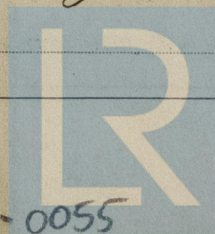
fuses on dynamo mains, single pole switches & double pole fuses on each outgoing circuit

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 earth lamps connected to earth through double pole fuses & switches

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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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 & ISHERWOOD, LTD.

Thomas Meade Electrical Engineers.

Date 7th April 1924

COMPASSES.

Distance between electric generators or motors and standard compass 40 ft.

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 28 Ampères on the ~~left~~ standard compass — feet from steering compass.

A cable carrying 7.2 Ampères 8 feet from standard compass — 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.

FOR AND ON BEHALF OF
TYNE IRON SHIP-BUILDING CO. LIMITED

A. Thomson

Builder's Signature.

Date

General Manager.

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 Elec. light.

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

W.D.
13/5/24

Total Capacity of Generators 4.5 Kilowatts

The amount of Fee ... £ 5 : :
Travelling Expenses (if any) £ : :
When applied for, 14/4/1924
When received, See debit book.

W. T. Badger

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im. 9. 22.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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