

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office..... 2 DEC 1924

Date of writing Report 3. 10. 1924 When handed in at Local Office 27. 10. 1924 Port of GLASGOW.

No. in Survey held at GREENOCK.
Reg. Book.Date, First Survey 16. 9. 24 Last Survey 3. 10. 1924
(Number of Visits..... 4)

88824 on the

S. S. FORESTHILL.

Tons { Gross 1600
Net 892

Built at GLASGOW.

By whom built MESSRS BARCLAY CURLE & CO Yard No. 605 When built 1924.

Owners

THE FOREST SHIPPING CO. LTD Port belonging to LONDON.

Electric Light Installation fitted by MESSRS ALEX. ANDERSON & CO Contract No. 605 When fitted 1924.

System of Distribution

Main Wiring throughout

Pressure of supply for Lighting

100

volts, Heating

volts, Power

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

Generators, do they comply with the requirements regarding overload

are they over compounded 5 per cent.

Where more than one generator is fitted are they arranged to run in parallel

series with each shunt field

Are all terminals accessible and clearly marked

or short circuited

Position of Generators

is the ventilation in way of the generators satisfactory

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

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

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

woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards

are they constructed wholly of durable, incombustible non-absorbent materials

permanently high insulation resistance

insulated from the slab with mica or micanite and the slab similarly insulated from its framework

frame effectively earthed

accessibility of all parts

individual fuses to voltmeter, pilot or earth lamp

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

Main Switch D.P. for 1 generator D.P. Main Fuses. S.P. distributing switches D.P. fuses.

Instruments on main switchboard

ammeters

volts

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

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules

Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule



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W558-0034

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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.

For ALEXANDER ANDERSON, Ltd
William F Budge

Electrical Engineers.

Date 15th Octr, 1924

COMPASSES.

Distance between electric generators or motors and standard compass

170 ft.

Distance between electric generators or motors and steering compass

160 ft.

The nearest cables to the compasses are as follows:—

A cable carrying .2 Ampères .4'6" feet from standard compass 3'6" feet from steering compass.

A cable carrying 6.4 Ampères .6'0" feet from standard compass 8'0" feet from steering compass.

A cable carrying .4 Ampères 5'0" feet from standard compass 9'6" 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

The maximum deviation due to electric currents was found to be *nil* degrees on *any* course in the case of the standard

compass, and *nil* degrees on *any* course in the case of the steering compass.

H. J. Gentry

Builder's Signature.

Date 20/10/24

Is this installation a duplicate of a previous case *Yes.* If so, state name of vessel *S. S. "Fornesgate"*

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.*

CMS. J. D. 4/12/24

Total Capacity of Generators *5.* Kilowatts

The amount of Fee ... £ *6.0.0* : When applied for, *2 DEC 1924*

Travelling Expenses (if any) £ *10/6* : When received, *See debit book.*

Committee's Minute

Assigned

Elec. Light

J. Shankin
Surveyor to Lloyd's Register of Shipping.

These particulars are
Signal Letters (if any)

Official Number.

147438

o., Date, and Port of P

Whether British or
Foreign Built

British

Number of Decks

Number of Masts

rigged

ern

ild

alleries

ead

amework and descrip

vessel

Number of Bulkheads

Number of water ballast

and their capacity in

al to quarter the depth from w
to bottom of keel

Description of

*Drifted from
Direct Action
Invented*

Particulars of

Description

Number

Iron or Steel

Loaded Pressure

Gross Ton

er Tonnage Deck

or spaces between D

et or Trunk

castle

ge space

er Break

Houses

House

House

House

es for machinery, and l

otion 78 (2) of the Merc

94

ss of Hatchways

Gross Tonnage

ctions, as per Contra

Register Tonnage

1.—The tonnage of the en

propelling machinery

2.—The undermentioned sp

Forcastle

Bridge

after end

Name of Master

f Owners

, Residence, and Desc

Forest Ship

d

15th Oct

34798) Wt. 29391/15 Gp. 1



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