

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

FRI 19 JAN 1923

Date of writing Report 17th Jan. 1923 When handed in at Local Office 18th Jan. 1923 Port of Southampton

No. in Survey held at Southampton Date, First Survey 21st Dec. 22 Last Survey 9th Jan. 1923
Reg. Book. (Number of Visits 3)

on the Tug Barge "FOREMOST VII" Tons { Gross
Net

Built at Southampton By whom built White Bros. Yard No. 222. When built 1923.

Owners James Geddis & Son & Co. Port belonging to London

Electric Light Installation fitted by E. D. Whelan & Co. Contract No. When fitted 1923.

System of Distribution All Fittings looped no joints
Pressure of supply for Lighting 110 volts, Heating none volts, Power none 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 One only, is an adjustable regulating resistance fitted in series with each shunt field. Yes on Switchboard

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
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

All Ironwork and Yes, are the generators protected from mechanical injury and damage from water, steam or oil Yes

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

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. Yes

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 All Ironwork

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, if semi-insulating material is used, are all conducting parts connected to one pole

insulated from the slab with mica or micanite and the slab similarly insulated from its framework None used, 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 None, proportion of omnibus

bars 200% Over, individual fuses to voltmeter, pilot or earth lamp Fitted, connections of switches. Yes

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

Double pole Quick Break

Instruments on main switchboard One ammeters One 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

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. *Yes*
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

E. D. Wislart & Co

Electrical Engineers.

Date *15. 1. 23*

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 *5* Ampères *Four* feet from standard compass *5* feet from steering compass.

A cable carrying Ampères 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

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 on course in the case of the standard

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

Builder's Signature.

Date

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

"Foreman VI"

General Remarks (State quality of workmanship, opinions as to class, &c.)

This installation has been fitted in accordance with the requirements of the Rules. The materials and workmanship are good. The installation has been tried under full working conditions and found satisfactory.

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

Total Capacity of Generators *1.2* Kilowatts

The amount of Fee ... £ *5 : 0 :* *9 Jan 23*
Travelling Expenses (if any) £ *✓* : *9 Jan 23*

L. H. F. Young

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im 422. Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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Foundation