

Rpt. 13.

FAIRWILL

No. 36528

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 17 NOV 1925

Date of writing Report

19

When handed in at Local Office

16/11

1025 Port of

Hull

No. in Survey held at
Reg. Book.

Hull

Date, First Survey

23/10/25

Last Survey

2-11

1925

(Number of Visits.....4.....)

on the steam tug "NOBLEMAN".

Tons { Gross 207
Net

Built at

Selly

By whom built

Cochrane & Sons Ltd.

Yard No. 980

When built 1925

Owners

United Towing Co. Ltd.

Port belonging to

Hull.

Electric Light Installation fitted by Thapin & Whieldon.

Contract No.

When fitted 1925.

System of Distribution DIRECT CURRENT. TWO WIRE

Pressure of supply for Lighting

110

volts, Heating

volts, Power

volts.

Direct or Alternating Current, Lighting

D/C

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

series with each shunt field

YES

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

On Platform in 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

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

YES

Main Switch Boards, where placed

ON Bulkhead above Generators

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

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

, 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

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

, individual fuses to voltmeter, pilot or earth lamp

YES

, connections of switches

YES

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

1. D/P. 30 amp Wireless Switch.

3. 6/P Circuit Switches

Instruments on main switchboard

6 ne

ammeter

6 ne

voltmeter

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

NONE

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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Foundation

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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.

per pro. NAPIER & WHELDON.

Electrical Engineers.

Date Nov 6/25

COMPASSES.

Distance between electric generators or motors and standard compass

50 ft ✓

Distance between electric generators or motors and steering compass

50 ft ✓

The nearest cables to the compasses are as follows:—

A cable carrying 5 Amperes 3 feet from standard compass 3 feet from steering compass.

A cable carrying Amperes feet from standard compass feet from steering compass.

A cable carrying Amperes 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 no degrees on any course in the case of the standard compass, and no degrees on any course in the case of the steering compass.

FOR COCHRANE & SONS, LTD.

D. A. Forth

DIRECTOR 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, opinions as to class, &c. The electrical installation of this vessel has been fitted on board under special survey, tried under working conditions, & found in good order. It is eligible in my opinion to have record of Electric Light.

It is submitted that this vessel is eligible for THE RECORD. Electric Light

17/11/25

Total Capacity of Generators 2.2 Kilowatts

The amount of Fee £ 5 : - : 10/5/25

Travelling Expenses (if any) £ : : 20/11/25

P. Fitzgibbon

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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