

Rpt. 13.

No. 36459

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

24 OCT 1925

Date of writing Report

19

When handed in at Local Office

22/10/25 Port of

Hull

No. in Survey held at

Hull

Date, First Survey

2-10-25

Last Survey

8-10

1925

Reg. Book.

(Number of Visits.....4)

on the

steam trawler

"PELTON"

Tons

Gross

Net

Built at

Beverly

By whom built

Cook, Welton & Gemmell

Yard No. 474

When built

1925

Owners

F. & T. Ross Ltd.

Port belonging to

Hull.

Electric Light Installation fitted by

W. Brady & Co. Ltd.

Contract No.

When fitted

1925.

System of Distribution

2 wire

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

no

, is an adjustable regulating resistance fitted in

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

Starboard aft side of 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

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

after Bulkhead Starboard side of 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

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

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

, 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

4 Circuit Switches and Fuses.

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

2 Earth

Lamps with 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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W1137

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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.

WM. BROADY & SON,
ENG.

J. B. Buck

Electrical Engineers.

Date

19/10/25

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 Amperes 4 feet from standard compass 4 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.

COOK, WELTON & GEMMELL, LTD.

A. B. Gemmell

Builder's Signature.

Date

21/10/25.

DIRECTOR

Is this installation a duplicate of a previous case yes If so, state name of vessel Cape Crozier.

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 ELEC. LIGHT.

P. Fitzgerald

26/10/25.

Total Capacity of Generators 6 Kilowatts

The amount of Fee ...

3 £ 6 : -

When applied for, 22/10/25

Travelling Expenses (if any) £

When received, 21/11/26

P. Fitzgerald

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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