

Rpt. 13.

No. 40461.

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

24 DEC 1929

Date of writing Report

23.12.29

When handed in at Local Office

23 Dec. 29

Port of

HULL

No. in Survey held at

Hull

Date, First Survey

5 Dec

Last Survey

13 Dec 1929

Reg. Book.

10707 on the

Steam Trawler "CAPE MELVILLE"

Tons

Gross 242.39

Net 135.94

Built at

Lilly

By whom built

Cable & Iron Works Ltd

Yard No. 1064

When built

1929

Owners

Hudson Steam Fishing Co Ltd

Port belonging to

Hull

Electric Light Installation fitted by

Wm Brandy & Sons Ltd

Contract No.

When fitted

1929

System of Distribution

Two wire

Pressure of supply for Lighting

100

volts, Heating

volts, Power

volts.

Direct or Alternating Current, Lighting

bivalent current

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 rating

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

Yes

, is an adjustable regulating resistance fitted in

series with each shunt field

Yes

Are all terminals accessible, clearly marked, and furnished with sockets

Yes

, are they so spaced or shielded that they cannot be accidentally earthed,

short circuited, or touched

Yes

Are the lubricating arrangements of the generators as per Rule

Yes

Position of Generators

Starboard 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

Yes

are their axes 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. bivalent compound

Main Switch Boards, where placed

Beside generator 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

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, non-ignitable 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 insulated from the slab

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed

Yes

Are the fittings as per Rule regarding: — 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

linked switch for dynamos. Outgoing circuits controlled by SP. switches & protected by fuses on each pole

Instruments on main switchboard

one

ammeters

one

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

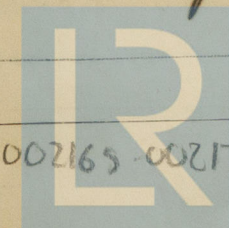
Earth lamps with separate switches

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

Yes

Joint Boxes 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.

WM. BROADY & SON,
ENGLISH STREET,
MULL.

Electrical Engineers.

Date Dec. 18th 1929

COMPASSES.

Distance between electric generators or motors and standard compass 60 feet

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying .5 Amperes To feet from standard compass 7 feet from steering compass.

A cable carrying .5 Amperes To feet from standard compass 7 feet from steering compass.

A cable carrying .5 Amperes To feet from standard compass 7 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 40 degrees on any course in the case of the standard compass, and 40 degrees on any course in the case of the steering compass.

FOR COCHRANE & SONS, LTD.

DIRECTOR Builder's Signature. Date 20 DEC 1929

Is this installation a duplicate of a previous case. Yes. If so, state name of vessel. Hastings Fish.

General Remarks (State quality of workmanship, opinions as to class, etc.) 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 Lights".

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

Elec. Light

J. H. Broadby

30/12/29

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 : 0

Travelling Expenses (if any) £ : : 0

When applied for,
23 Dec 1929

When received,
31.12.29

John H. Broadby
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 31 DEC 1929

Assigned

Elec. Light



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