

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

SAT. JUN. 16 1923

Date of writing Report

19

When handed in at Local Office

14. 6.

10 23/Port of

Received at London Office

Middlesbrough

No. in
Reg. Book.

Survey held at South Bank-on-Tees

Date, First Survey

while

Last Survey

Building 19

on the S.S. "Donald Stewart"

(Number of Visits.....)

Tons { Gross 1780.72

Net 1074.36

Built at South Bank

By whom built

Smith's Dock Co. Ltd.

Yard No. 779

When built 1.12.23

Owners J. & M. Stewart

Port belonging to

Middlesbrough

Electric Light Installation fitted by

A. Pickersgill & Sons Ltd.

Contract No.

When fitted

Stockton-on-Tees

System of Distribution

Double Wire throughout

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.

—

if not compound wound state distance between each generator

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

—

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

Port Side 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

to Woodwork near

—

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 Port Side Engine Room near Generator

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

Main Double Pole Switch and Fuses with S.P. Circuit Switch and S.P. Fuses to various Distribution Boards.

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 Lamp

each Pole.

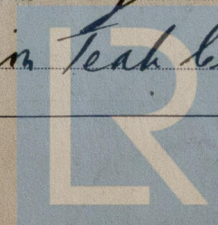
Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules

Yes

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

Yes

Engine Room Galvanized Iron Case, Accommodation Teak Case as best lined.



Lloyd's Register Foundation

W164-0127 1/2

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.

Rd. Pickersill & Sons Ltd.
RICHARD PICKERSILL & SONS, LTD.

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass *200 ft.*

Distance between electric generators or motors and steering compass *200 ft.*

The nearest cables to the compasses are as follows:—

A cable carrying *5* Amperes *6* feet from standard compass *12* feet from steering compass.

A cable carrying *12.5* Amperes *24* feet from standard compass *30* feet from steering compass.

A cable carrying *1.3* Amperes *30* feet from standard compass *36* 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 *0* degrees on *—* course in the case of the standard compass, and *0* degrees on *—* course in the case of the steering compass.

FOR SMITH'S DOCK COMPANY, Ltd

J.W. Cairns
permitted

Builder's Signature.

Date

Is this installation a duplicate of a previous case *yes* If so, state name of vessel *A. S. Maystake*

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

This installation has been fitted in accordance with the Rules: is of good materials and workmanship and on completion was examined under full working conditions and found satisfactory

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

J.W.
20/6/23

Total Capacity of Generators *6* Kilowatts

The amount of Fee ... £ *6.00* } When applied for, *5.6.19.23*
Travelling Expenses (if any) £ *—* } When received, *—*

Wm Morrison for self & D. S. Whitford
Surveyors to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im. 9. 11. — Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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