

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

THU 25 MAY 1924

Date of writing Report

19

When handed in at Local Office

28.4.

1924 Port of

Middlesbrough

No. in Survey held at
Reg. Book.

South Bank

Date, First Survey

whole

Last Survey

building 19

on the

S.S. "PEGAWAY"

(Number of Visits.....)

Tons

Gross 1826.41

Net 1073.35

Built at

South Bank

By whom built

Smith's Dock Co.

Yard No.

782

When built

1924

Owners

Hill Shipping Co.

Port belonging to

Lancashire

Electric Light Installation fitted by

James R. Pickersgill & Son Ltd.

Contract No.

When fitted

System of Distribution

Double 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

-

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 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

12"

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

Fore and Engineers Stores Starboard Side

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

12"

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

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

25 Main Switches & Fuses with 25 Circuit Breakers & 25 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

2 Lamps connected

in series across main fuses

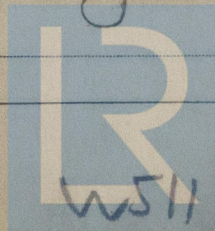
Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules

yes

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

yes

All Asbestos Lined



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Lloyd's Register

W511-0058(112)

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.

RICHARD PICKERSGILL & SONS, LTD.

Electrical Engineers.

Date May 24/24

COMPASSES.

Distance between electric generators or motors and standard compass

160 ft.

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 1 1/2 Amperes 2 feet from standard compass 2 feet from steering compass.

A cable carrying 5.5 Amperes 12 feet from standard compass 8 feet from steering compass.

A cable carrying 6 Amperes 50 feet from standard compass 45 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

none

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.

FOR SMITH'S DOCK

J. W. Cairns

Shipyard Manager.

Builder's Signature.

Date 26th May 1924

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.)

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

THE RECORD.

Elec. Light.

R.A. 2/6/24.

Total Capacity of Generators 6 Kilowatts

The amount of Fee ... £ 6 : 0 0

When applied for,

28.5 19.24

Travelling Expenses (if any) £ :

When received,

See debit book.

Surveyor to Lloyd's Register of Shipping.

A. D. Morrison

Committee's Minute

Assigned

1m. 9. 22. — Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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