

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

26 SEP 1924

Date of writing Report

25.9.24

When handed in at Local Office

25.9.24

Port of

HINOWAY

PLYMOUTH

No. in Survey held at

Plymouth

Date, First Survey

3.9.24

Last Survey

19.9.1924

Reg. Book.

40850 on the

S.S. K.

"GLENSIDE"

(Number of Visits)

7

Tons

Gross 555.

Net 251.

Built at

Goole

By whom built

Goole S.A. - Rep? Cola

Yard No.

When built

1921

Owners

Richardson & Cola.

Port belonging to

Napier & Z.

Electric Light Installation fitted by

The Knowles Electrical Co Ltd

Contract No.

1144

When fitted

Sept. 1924.

System of Distribution

Two wire Insulated

Pressure of supply for Lighting

110

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

series with each shunt field

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

Engine Room Port 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

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

Main Switch Boards, where placed

in Engine Room Port Side fixed off boilers

room casing

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

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

1- 75 Amp Double pole switch for Generator & 2- 75 Amp single pole fuses

1- 20 Amp Single pole switch for each of 4 Circuits and 2- 20 Amp Single Pole 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

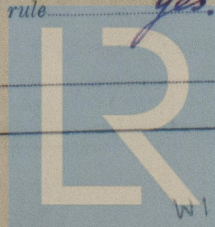
earth Lamps and switches

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



© 2021

Lloyd's Register Foundation

W1077-00284

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.

For the
Knowsley Electrical Co Ltd
Electrical Engineers.

Date 19th Sept. 1924.

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 3 Ampères feet from standard compass 10 feet from steering compass.

A cable carrying 3 Ampères feet from standard compass at feet from steering compass.

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

Have the compasses been adjusted with and without the electric installation at work at full power

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted

The maximum deviation due to electric currents was found to be one degree on S.W. & N.W. course in the case of the standard compass, and degrees on course in the case of the steering compass.

K.W. Farley
for Richardson & Co. Ltd.

Owners
Builder's Signature.

Date 19th Sept 1924

Is this installation a duplicate of a previous case If so, state name of vessel

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

The materials and workmanship are good.
This electric installation has been fitted under special
survey and in accordance with the rules and is, in
my opinion, efficient for a classed vessel.

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

J.W.D.
30/9/24

Total Capacity of Generators 5 Kilowatts

The amount of Fee £ 5+0-0 20.9.24

Travelling Expenses (if any) £

Committee's Minute

Assigned

P. J. Man.
Surveyor to Lloyd's Register of Shipping.