

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 11th Nov. 1924 When handed in at Local Office

19

Port of Barrow-in-Furness

No. in Survey held at

Barrow.

Date, First Survey April

Last Survey 2nd May 1924

Reg. Book.

88952 on the

S.S. "Glanrhyd"

(Number of Visits.....)

Tons

Gross 1525

Net 820

Built at

Barrow.

By whom built

Bickers Ltd.

Yard No.

604

When built

1924

Owners

Harris Bros & Co.

Port belonging to

London.

Electric Light Installation fitted by

Bickers Ltd.

Contract No.

604

When fitted 1924

System of Distribution

Double pole fuses.

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.

No

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

No

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 lower platform (Starboard 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

✓

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

Alongside Dynamo

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

No

Slab base

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

In Dynamo D.P. switch & fuses

In Branches. CP switch & DP fuses

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

Two lamps. switches & 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



© 2020

Lloyd's Register
Foundation

W471-0232 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.

For VICKERS Limited.

Director.

Electrical Engineers.

Date 17/11/24

COMPASSES.

Distance between electric generators ~~and~~ and standard compass 50 ft.

Distance between electric generators ~~and~~ and steering compass 40 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 1 feet from standard compass 4 1/2 feet from steering compass.

A cable carrying 4 Ampères 5 feet from standard compass 1 feet from steering compass.

A cable carrying 8 Ampères 2 1/2 feet from standard compass 4 feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power 4/6

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted 4/6

The maximum deviation due to electric currents was found to be nil degrees on all course in the case of the standard compass, and nil degrees on all course in the case of the steering compass.

For VICKERS Limited.

Director.

Builder's Signature.

Date 17/11/24

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 efficiently fitted, and proved satisfactory under working conditions. In my opinion the vessel is eligible to have the notation of "Electric light" made in the Register Book.

It is submitted that
this vessel is eligible for
THE RECORD. Elec. Light.
R.M.
20/11/24.

Total Capacity of Generators 4 Kilowatts

The amount of Fee ... £ 5 : 0 :
Travelling Expenses (if any) £ : :
When applied for, 2nd May 1924
When received, 2nd May 1924

Wm. Cowie

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im. 3.22.—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2020

Lloyd's Register
Foundation