

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

SAT 5 MAY 1923

Date of writing Report

May 4th 1923

When handed in at Local Office

May 4th 1923

Port of

Bristol

No. in

Survey held at

Aplham

Date, First Survey

1922 Oct 11th

Last Survey

Jan 3rd 1923

Reg. Book.

80571

SINGLE SCREW CARGO STEAMER "RUNNELSTONE."

Tons

Gross 868.52.

Net 426.66

Built at

BIDEFORD.

By whom built HANSEN SHIP^g SHIP REP^g COY LTD

Yard No. 5

When built 1922.

Owners

THE HANSEN SHIPPING COY. LTD, CARDIFF. Port belonging to LONDON.

Electric Light Installation fitted by THE HANSEN SHIP^g & SHIP REP^g COY. LTD Contract No.

When fitted 1922.

BIDEFORD.

System of Distribution TWO WIRE SYSTEM.

Pressure of supply for Lighting 100 VOLTS. 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 —

Are all terminals accessible and clearly marked YES, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited YES.

Position of Generators ON FLAT AT LEVEL OF R.Q. DECK IN ENG^{NE} 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 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 ENGINE CASING ADJACENT TO 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

OUTGOING CIRCUITS KNIFE SWITCHES SINGLE POLE.

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 PILOT LAMP &

VOLTMETER.

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.

If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office?

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.

THE HANSEN SHIPBUILDING & SHIPREPAIRING CO. LTD.

Electrical Engineers.

Date

23/4/23

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 $\frac{1}{2}$ Ampères feet from standard compass feet from steering compass. to light compass.

A cable carrying $\frac{1}{2}$ Ampères 10 feet from standard compass 10 feet from steering compass. house light

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 degrees on course in the case of the standard compass, and degrees on course in the case of the steering compass.

THE HANSEN SHIPBUILDING & SHIPREPAIRING CO. LTD.

Builder's Signature.

Date

23/4/23

Is this installation a duplicate of a previous case YES. If so, state name of vessel SS. HUBBASTONE SS. WILD ROSE.

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

This installation of electric light has been fitted according to the Rules. The materials, workmanship are good. It has been tried under full load and found satisfactory.

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

See Light.

5-5-23

Total Capacity of Generators Kilowatts

The amount of Fee £ 5 : 0 : 0

When applied for, May 4th 23

Travelling Expenses (if any) £ : :

When received, 19

John W. Gwynne

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

1m 422—Transfer.
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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