

Rpt. 13.

REPORT ON ELECTRIC FITTINGS.

No. 29312

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report

19

When handed in at Local Office

17/11

1926 Port of

Received at London Office

20 NOV 1926

NEWCASTLE-ON-TYNE

No. in Survey held at

Sunderland

Reg. Book.

83103

on the

M.V. Silverash

Date, First Survey

4 Aug

Last Survey

24 Sept. 1926

(Number of Visits... 13)

Built at

Sunderland

By whom built

J. L. Thompson & Co.

Hard No.

555

Tons

Gross 5299

Net 3091

When built

1926

Owners

Silver Line Ltd.

Port belonging to

London

Electric Light Installation fitted by

Sunderland Forge & Eng Co. Ltd.

Contract No. 555

When fitted 1926

System of Distribution

Double wire

Pressure of supply for Lighting

220

volts, Heating

220

volts, Power

220

volts.

Direct or Alternating Current, Lighting

Direct

Power

Direct

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 rating

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

Yes

is an adjustable regulating resistance fitted in series with each shunt field

Yes

Are all terminals accessible, clearly marked, and furnished with sockets

Yes

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched

Yes

Are the lubricating arrangements of the generators as per Rule

Yes

Position of Generators

Engine room on port & 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 their axes of rotation fore and aft

Yes

are the generators protected from mechanical injury and damage from water, steam or oil

Yes

Earthing, are the bed-plates and frames of the generating plant efficiently earthed

Yes

their respective generators in metallic contact

Yes

are the prime movers and

Main Switch Boards, where placed

Engine room port side

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, non-ignitable non-absorbent materials

Yes

is all insulation of high dielectric strength and of permanently high insulation resistance

if semi-insulating material is used, are all conducting parts insulated from the slab

with mica or micaite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed

Yes

Are the fittings as per Rule regarding:— 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

D.P. % LOAD & REVERSE CURRENT

CIRCUIT BREAKERS WITH TRIPLE POLE SWITCHES (THIRD POLE AS EQUALISER) FOR MAIN GENERATORS

D.P. % LOAD CIRCUIT BREAKERS

FOR STEERING GEAR & AUXILIARY GENERATOR

& D.P. SWITCHES & FUSES FOR FEEDER CIRCUITS

Instruments on main switchboard

5

ammeters

3

volts meters

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

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

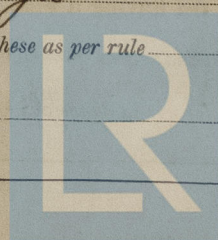
Yes

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

Yes

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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 Sunderland Forge & Engineering Co. Ltd. Electrical Engineers. Date 5th Nov. 1926.

J. Thompson

COMPASSES.

Distance between electric generators or motors and standard compass 112 feet

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 3-25 Ampères 15 feet from standard compass 15 feet from steering compass.

A cable carrying 1 Ampères 10 feet from standard compass led into feet from steering compass.

A cable carrying 1 Ampères led into feet from standard compass 10 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 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.

JOSEPH L. THOMPSON & SONS, LIMITED,

J. Thompson
Chairman

Builder's Signature. Date 9th Nov. 1926

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.)

The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation elec light, wireless

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

W. T. Badger
25/11/26

Total Capacity of Generators 306 Kilowatts.

The amount of Fee £ 39 : - : When applied for, 24 Sep 1926
Travelling Expenses (if any) £ : : When received, 25 Sep 1926

W. T. Badger
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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