

Rpt. 13.

NEWCASTLE-ON-TYNE No. 83126

No. 8650

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 12.7.1928 When handed in at Local Office

Port of

Dumfries

No. in Survey held at

Dumfries

Date, First Survey

25-5-28

Last Survey

6-7-1928

Reg. Book.

on the

S.S. "WATFORD"

No. Visits

(Number of Visits)

24 July - 13 August

Tons

Gross

Net

Built at

Dumfries

By whom built

Calson S & E. & Co.

Card No.

322

When built

1928

Owners

Watts Watts & Co. Ltd

Port belonging to

Electric Light Installation fitted by

Calson Ship. & Eng. Co. Ltd

Contract No.

322

When fitted

1928

System of Distribution

Two wire

Pressure of supply for Lighting

110

volts, Heating

volts, Power

110

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 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

Are the lubricating arrangements of the generators as per Rule

Yes

Position of Generators

Engine Room, Starboard Ford.

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

Engine Room, Starboard on Engineers' Store

Bulkhead.

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

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

One D.P. switch

and D.P. fuses on Dynamo mains, and one S.P. Switch and D.P. fuses on each outgoing circuit

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

Lamp

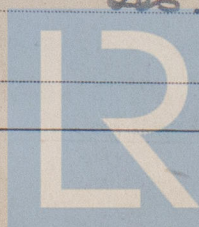
Testing Set

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



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W696 01354

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 CALEDON SHIPBUILDING & ENGINEERING CO. LTD
The foregoing is a correct description.

W. M. Githard

Electrical Engineers.

Date 11. 7. 28

COMPASSES.

Distance between electric generators or motors and standard compass 65 feet

Distance between electric generators or motors and steering compass 65 feet

The nearest cables to the compasses are as follows:—

A cable carrying 25 Ampères 10 feet from standard compass 10 feet from steering compass.

A cable carrying 25 Ampères 12 feet from standard compass 12 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. Yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted. No

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 CALEDON SHIPBUILDING & ENGINEERING CO. LTD

W. M. Githard

Builder's Signature.

Date 11. 7. 28

GENERAL MANAGER,
SHIPBUILDING DEPT.

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 on board in an efficient manner & in accordance with the Rules. The materials & workmanship are of good description. The vessel has proceeded to the Lyne to be completed. To complete the Survey the following remains to be done. Installation to be examined under working conditions. The Newcastle Surveyors have been notified.

The installation completed & found satisfactory under working conditions.

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

Bless Light

D. M. 20/8/28

Total Capacity of Generators 18 Kilowatts

The amount of Fee ... £ 13 : 0 : When applied for, 12.7.19.28

Travelling Expenses (if any) : : When received, 17.8.19.28

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

Committee's Minute

Assigned

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



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