

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) 30 SEP 1930

Date of writing Report 16.9.1930 When handed in at Local Office 27/9/1930 Port of NEWCASTLE-ON-TYNE

No. in Survey held at NEWCASTLE. Date, First Survey 18 Aug. Last Survey 19 Sept 1930.
Reg. Book. (Number of Visits 6)

89934 on the S. S. CERINTHUS.

Built at NEWCASTLE. By whom built HAWTHORN LESLIE & CO Yard No. 577 When built 1930

Owners HADLEY SHIPPING CO LTD Port belonging to LONDON.

Electric Light Installation fitted by HAWTHORN LESLIE & CO LTD Contract No. 577 When fitted 1930

System of Distribution

Double wire

Lauher ✓

Pressure of supply for Lighting

110

volts, Heating

110

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

No

, is an adjustable regulating resistance fitted in

series with each shunt field

Yes

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

Dynamo Flat Engine Room aft

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

Dynamo Flat Engine Room aft

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. Double pole change over switch and double pole fuse for main Generators, double pole switches and fuses for each outgoing circuit

Instruments on main switchboard 1 ammeter, 1 voltmeter, — 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, coupled to earth through switches and 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.



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W154-0092 (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 R. & W. HAWTHORN, LESLIE & Co. LIMITED.

Electrical Engineers.

Date 19th Sept 30.

COMPASSES.

Distance between electric generators or motors and standard compass 200 feet

Distance between electric generators or motors and steering compass 200 feet

The nearest cables to the compasses are as follows:—

A cable carrying .13 Amperes on the feet from standard compass 6 feet from steering compass.

A cable carrying .13 Amperes 6 feet from standard compass on the feet from steering compass.

A cable carrying Amperes 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 yes.

The maximum deviation due to electric currents was found to be Nil degrees on any course in the case of the standard

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

FOR R. & W. HAWTHORN, LESLIE & Co. LIMITED.

Builder's Signature.

Date 19th Sept 30.

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 our special survey. Tested under full load conditions and found satisfactory. The materials and workmanship were found to be good and sound.

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

Elec. Light

1/10/30

Total Capacity of Generators 24½ Kilowatts

The amount of Fee ... £ 20.0.0

When applied for,

17.9. 1930

When received,

20.9. 1930

Travelling Expenses (if any) £

Committee's Minute

Assigned

Surveyor to Lloyd's Register of Shipping.



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