

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

14 MAY 1930
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Received at London Office

Date of writing Report 13 May 1930 When handed in at Local Office 13 May 1930 Port of Southampton.

No. in Survey held at Baines. Date, First Survey 17 Dec 1929 Last Survey 6 May 1930
Reg. Book. (Number of Visits.....)

on the Paddle Steamer "WILL CROOKS"

Tons { Gross
Not

Built at Baines. By whom built J. Samuel White & Co. Yard No. 1684 When built 1930.

Owners London County Council Port belonging to London.

Electric Light Installation fitted by J. Samuel White & Co. Ltd. Contract No. 1684 When fitted 1930.

System of Distribution

Two wire.

Pressure of supply for Lighting 100 volts, Heating ✓ volts, Power 100 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 ✓

Generators, do they comply with the requirements regarding rating ✓, are they compound wound ✓

are they over compounded 5 per cent. ✓, 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, clearly marked, and furnished with sockets ✓, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched ✓. Are the lubricating arrangements of the generators as per Rule ✓

Position of Generators

Upper (central) platform in engine room.

is the ventilation in way of the generators satisfactory ✓, are they clear of all inflammable material ✓

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 ✓

are their axes of rotation fore and aft No. (Thrustships)

Earthing, are the bedplates and frames of the generating plant efficiently earthed ✓ are the prime movers and their respective generators in metallic contact ✓

Main Switch Boards, where placed

Upper (central) platform in engine room.

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 ✓

are they protected from mechanical injury and damage from water, steam or oil ✓, 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 ✓, 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 micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework ✓ and is the frame effectively earthed ✓. Are the fittings as per Rule regarding:— spacing or shielding of live parts

✓, accessibility of all parts ✓, absence of fuses on back of board ✓, proportion of omnibus bars ✓, individual fuses to voltmeter, pilot or earth lamp ✓, connections of switches ✓

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

1 Quick break DP Switch + DP fuses for generator.

1 " " DP " + DP fuses for each outgoing circuit.

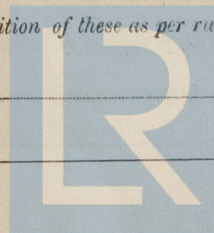
Instruments on main switchboard 1 ammeters 1 voltmeters ✓ synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system Earth lamps.

with separate switches + fuses.

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

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



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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.

For J. Samuel White & Company. Ltd.

R. S. Ewing

Managing Director.

Electrical Engineers.

Date *7 May 1930.*

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 *8* Amperes feet from standard compass. *6* feet from steering compass.

A cable carrying *5* Amperes feet from standard compass. *3* 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. *20*

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted. *20*

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.

For J. Samuel White & Company Ltd.

R. S. Ewing

Builder's Signature.

Date *7 May 1930.*

Managing Director.

Is this installation a duplicate of a previous case. *20* If so, state name of vessel

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

*The Electric Fittings have been installed on board this vessel in accordance with the requirements of the Rules & tested with satisfactory results.
The workmanship and materials are good.
The vessel is eligible, in our opinion, for the notation
"Electric Light"*

Electric Light 94 15/5/30

Total Capacity of Generators *5* Kilowatts.

The amount of Fee ... £ *5* :

When applied for,

13/5/1930

Travelling Expenses (if any) £ :

When received,

2/7/1930

J. McWilliam & Co. Ltd.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 16 MAY 1930

Assigned

Elec. Lt.



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