

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

19 SEP 1927

Received at London Office

Date of writing Report 9th September 1927. When handed in at Local Office19 Port of Copenhagenin Survey held at CopenhagenDate, First Survey 4th June Last Survey 25th August 1927(Number of Visits 20)220 on the Twin Screw Motor Vessel "CHRISTIAN."Tons { Gross 9118.63
Net 5605.41Built at CopenhagenBy whom built Akt. Burmeister & Wain's
Haskinog ThilsbyggeriYard No. 348When built 1927Architects Akt. Jampskilsselskabet Myren (H. & W. Wain)Port belonging to CopenhagenElectric Light Installation fitted by Akt. Burmeister & WainContract No. 348. When fitted 1927.System of Distribution Direct current. - Two conductors. Insulated system.Pressure of supply for Lighting 110 volts, Heating ✓ volts, Power 220 volts.Direct or Alternating Current, Lighting Direct current. Power Direct current.

Alternating current system, state frequency of periods per second

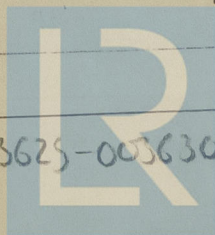
Is the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes.Generators, do they comply with the requirements regarding rating yes., are they compound wound yes.Do they over compound 5 per cent. 0 per cent., if not compound wound state distance between each generator.Where more than one generator is fitted are they arranged to run in parallel yes., is an adjustable regulating resistance fitted inCircuits 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,Are the lubricating arrangements of the generators as per Rule yes.Position of Generators Fixed in the machinery space.Is the ventilation in way of the generators satisfactory yes., are they clear of all inflammable material yes.

Are generators situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators

Are generators situated near unprotected woodwork or other combustible material, are the generators protected from mechanical injury and damage from water, steam or oil

Are the axes of rotation fore and aft yes.Furthermore, are the bed-plates and frames of the generating plant efficiently earthed yes., are the prime movers andDo the respective generators in metallic contact yes.Main Switch Boards, where placed In the machinery space.

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 In the same compartment.Main 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 unprotectedAre they situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards Not situated near unprotected woodwork or other combustible material.Are they constructed wholly of durable, non-ignitable non-absorbent materials yes., is all insulation of high dielectric strength and ofAre they permanently high insulation resistance yes., if semi-insulating material is used, are all conducting parts insulated from the slabAre they constructed with mica or miculate or other non-hygroscopic insulating material, and the slab similarly insulated from its framework yes.Is the frame effectively earthed yes., Are the fittings as per Rule regarding:— spacing or shielding of live partsyes., accessibility of all parts yes., absence of fuses on back of board yes., proportion of omnibusyes., 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 For each generatorThree pole circuit breaker with overload and reversed current trips as required by the Rules.For each outgoing circuit a double pole switch and a double pole fuse as per Rule.Instruments on main switchboard 4 ammeters 3 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 One Voltmeter isprovided with Ohm scale and the switchboard is provided with 2 sets of earth testing lamps.Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yes.Main Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes.

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Lloyd's Register Foundation

The foregoing is a correct description.

Date _____

COMPASSES.

The nearest cables to the compasses are as follows :—

A cable carrying ✓ Amperes ✓ feet from standard compass ✓ feet from steering compass.

The maximum deviation due to electric currents was found to be 0 degrees on all course in the case of the standard

compass, and 0 degrees on all course in the case of the steering compass.

Date _____

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 whole electric lighting and power installation as above described has been fitted in accordance with the requirements in the Rules, the approved plan and the Secretary's letter E. dated the 22nd April 1927.

The material used in the installation and the workmanship throughout are of good description in every respect. -

The whole electric lighting and power installation has been tested under full power working condition and found satisfactory.

Recommend the vessel to have notation in the Register Book of "Electric light."

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

Total Capacity of Generators.....147 Kilowatts.

The amount of Fee ... *3/4* 614.88 : { When applied for, *17.9* 27 19*27*

Travelling Expenses (if any) £ : : 20 19 2

Committee's Minute

Assigned Dec 1941