

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

26 SEP 1950

Received at London Office

22 SEP 1950

Date of writing Report 19 When handed in at Local Office Port of HULL.
 No. in Survey held at Goole Date, First Survey 14. 6. 50 Last Survey 29. 8. 1950
 Reg. Book. (No. of Visits 9.)

90382 on the Motor Vessel "CHRISTINE". Tons { Gross. Net.
 Built at Goole By whom built Goole E.B. & R. Co., Ltd. Yard No. 474 When built 1950
 Owners Union Industrielle & Maritime Port belonging to Rouen
 Soc. Francaise d'Arm.
 Installation fitted by Humber Electrical Engineering Co., Ltd. When fitted 1950
 Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub. Sig. No

Plans, have they been submitted and approved Yes System of Distribution two wire Voltage of Lighting 220
 Heating 220 Power 220 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency -
 Prime Movers, has the governing been found as per Rule when full load is thrown on and off Yes Are turbine emergency governors fitted
 with a trip switch - Generators, are they compound wound Yes, and level compounded under working conditions Yes
 if not compound wound state distance between generators. Yes and from switchboard - Are the generators arranged to run
 in parallel Yes, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole
 negative Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing - Have certificates of
 test for machines under 100 kw. been supplied Yes and the results found as per Rule Yes

Position of Generators Engine room port & starboard sides.
 is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and
 damage from water, steam and oil Yes Switchboards, where are main switchboards placed Engine room forward
 bulkhead.

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water,
 steam and oil Yes, what insulation is used for the panels "Sindanyo" if of synthetic insulating
 material is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as
 per Rule Yes Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear
 for each generator and arrangement of equaliser switches Circuit breakers with O.L. no volt release and
 reverse trip.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole quick break knife switches
 and double pole fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard three
 ammeters three voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reversed current
 protection devices connected on the pole opposite to the equaliser connection Yes Earth Testing, state means provided Lamps
 coupled to earth via switches and fuses.

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes
 make of fuses Artic, are all fuses labelled Yes If circuit breakers are provided for the generators, at what
 overload do they operate 30% and at what current do the reversed current protective devices operate 20V

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule Yes

Cables, are they insulated and protected as per Rule Yes, if otherwise than as per Rule are they of an Approved Type -
 state maximum fall of pressure between bus bars and any point under maximum load 4V, are the ends of all cables having a sectional
 area of 0.01 square inch and above provided with soldering sockets Yes Are all paper insulated and varnished cambric insulated
 cables sealed at the ends Yes Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil,
 high temperatures or risk of mechanical damage Yes, are any cables laid under machines or floorplates. No, if so, are they
 adequately protected - Are cables in machinery spaces, galleys, laundries, etc., lead covered Yes or run in conduit -

or of the "HR" type Yes State how the cables are supported or protected In machinery spaces, through holds
 etc. clipped to steel tray plates or direct to steelwork, in accommodation clipped to
 wood battens or direct to woodwork.

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight
 bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes
 effectively bushed Yes Refrigerated chambers, are the cables and fittings as per Rule -

Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule Yes Emergency Supply, state position



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PARTICULARS OF GENERATING PLANT.

GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

MOTOR CABLES.

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The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.

All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.

The foregoing is a correct description of the work done by the undersigned for the number ELECTRICAL ENGINEERING CO.

W.E. Chuteau PROPRIETOR

Electrical Contractors.

Date *5/8.4/50*

COMPASSES.

Have the compasses been adjusted under working conditions. Yes

FOR THE GOOLE SHIPBUILDING & REPAIRING CO. LTD.

G.F. Bragg

Builder's Signature.

Date

Have the foregoing descriptions and schedules been verified and found correct. Yes

Is this installation a duplicate of a previous case. No If so, state name of vessel.

Plans. Are approved plans forwarded herewith. Yes If not, state date of approval. 30.3.50.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. Yes

General Remarks. (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The Electrical Equipment of this vessel was installed in accordance with the approved plans and the Rules.

The materials used are of good quality and the workmanship is good.

On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good.

This equipment is in my opinion suitable for a classed vessel.

Noted and 4/10/50

Total Capacity of Generators 162 Kilowatts.

The amount of Fee ... £ 64 : 6

When applied for,
22 SEP 1950

When received,

Travelling Expenses (if any) £

19

W.H. Cornell
Surveyor to Lloyd's Register of Shipping.

FRI, 13 OCT 1950

Committee's Minute

Assigned

*See minute on
fe. rlt*