

Rpt. 13.

No. 135496

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

22 JUL 1952

Date of writing Report 1-5-52 When handed in at Local Office 30 MAY 1952 Port of LIVERPOOL

No. in Survey held at NORTHWICH Date, First Survey 9/4/52 Last Survey 18/4/1952
Reg. Book. (No. of Visits 4)

40811 on the S.S. "MOONLIGHT." Tons Gross Net

Built at NORTHWICH By whom built W.J. YARWOOD & SONS LTD Yard No. 878 When built 1951

Owners ROSS & MARSHALL LTD. Port belonging to GREENOCK.

Installation fitted by W.J. YARWOOD & SONS LTD When fitted 1951

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 Radar No

Plans, have they been submitted and approved Yes System of Distribution Two wire Voltage of Lighting 24

Heating — Power — D.C. or A.C., Lighting D.C. Power — 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 Shunt wound Level compounded under working conditions —

if not compound wound state distance between generators — and from switchboard — Are the generators arranged to run in parallel —, are shunt field regulators provided Automatic Voltage Regulation Is the compound winding connected to the negative or positive pole —

— 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 — and the results found as per Rule —

Position of Generators In Engine room 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 In engine room near generators.

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 — 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 D.P. Switch fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. Switch fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 1 ammeters 1 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 — Earth Testing, state means provided —

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

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 busbars and any point under maximum load 1 volt, 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 — State how the cables are supported or protected Main through hole L.C.A.B. clipped

Lighting circuit cables L.C. clipped to 1540 or direct to structure

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 —

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.

W. J. YARWOOD & SONS LTD.

A. Deakem

Director

Electrical Contractors.

Date 16-5-52

COMPASSES.

Have the compasses been adjusted under working conditions... Yes

W. J. YARWOOD & SONS LTD.

A. Deakem

Director

Builder's Signature.

Date 16-5-52

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... -

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

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

This electrical equipment has been installed under special survey, in accordance with approved plans & the Rules for Electrical Equipment. The installation has been tested under full working conditions and found satisfactory. The materials and workmanship are good. In my opinion the electrical equipment is eligible to be accepted for classification with the Society

Notes sent 14/7/52

Total Capacity of Generators... 0.70 Kilowatts.

The amount of Fee ... £ 6 : 0 : 0

When applied for,

26 JUN 1952

When received,

Travelling Expenses (if any) £ 2 : 2 : 0

Surveyor to Lloyd's Register of Shipping.

Committee's Minute... LIVERPOOL 1 JUL 1952

Assigned... See minute on Rpt 4

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

F.C.
8.7.52



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