

FEB 1960

Rpt. 13.

No. 8744

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 19. 1. 1960. When handed in at Local Office 19. Port of **PLYMOUTH**

No. in Survey held at **DARTMOUTH** Date, First Survey 22.9.59. Last Survey 14. 1. 1960.

Reg. Book. 41394 on the "MOUNTWOOD" (No. of Visits 14.) Tons Gross 464.28 Net

Built at Dartmouth By whom built Philip & Son Ltd. Yard No. 1304 When built 1960 1

Owners Birkenhead Corporation Port belonging to Liverpool

Installation fitted by Philip & Son Ltd., Dartmouth When fitted 1960 1

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 2 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

Are the generators arranged to run in parallel. Yes Is the compound winding connected to the negative or positive pole. Negative

Have machines 100 kw. and over 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. Yes Position of Generators Aft end of 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 Aft end of Engine Room,

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. ---, 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 Triple Pole Circuit Breakers

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. D.P. Knife Switches & Fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. Yes Instruments on main switchboard 4

ammeters 4 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection. Yes Earth Testing, state means provided Earth

Lamps Preference Tripping, state if provided. ---, and tested. ---

Switches, Circuit Breakers and Fuses, are they as per Rule. Yes, are the fuses an Approved Type. Yes

make of fuses. Desco, are all fuses labelled. Yes If circuit breakers are provided for the generators, at what overload do they operate. 25%, and at what current do the reverse current protective-

devices operate. 10% 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. 3 volts. 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. ---, if so, are they adequately protected. --- State

type of cables (if in conduit this should also be stated) in machinery spaces. Single Lead Covered, galleys. --- & Braided

and laundries. --- State how the cables are supported or protected. Cable carrier trays & clipped

direct to beams and woodwork in cabins & saloons

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. ---

Have refrigeration fan motors been constructed under survey. --- and test certificates supplied. ---

Are the motors accessible for maintenance at all times. ---



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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.

FOR AND ON BEHALF OF
PHILIP & SON LIMITED

Electrical Contractors.

Date 20/60

J. Philip
Managing Director

COMPASSES.

Have the compasses been adjusted under working conditions. Yes

FOR AND ON BEHALF OF
PHILIP & SON LIMITED

Builder's Signature.

Date 20/60

J. Philip
Managing Director

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 Retained for If not, state date of approval 17.11.58. & 26.2.59.
sister vessel

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

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

This Electric Installation has been installed on board under Special Survey in accordance with or equivalent to the Rules, approved plans and Secretary's letters.

The workmanship and materials are good and when tried under working conditions it was found satisfactory in every respect and is eligible in my opinion to be accepted for a Classed Vessel.

Total Capacity of Generators 129 Kilowatts.

The amount of Fees ... £ 61 : 7 :
When applied for, 4. 2. 1960.

Travelling Expenses (if any) £ 7 : 3 :
When received, 19.

Digby L.H. Collinson
Surveyor to Lloyd's Register of Shipping

(Digby L.H. Collinson)

TUESDAY 29 MAR 1960

Committee's Minute

Assigned

See Rpt. 1.