

Rpt. 13.

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 74189.

1 AUG 1951

Date of writing Report 14TH JUNE 19 51 When handed in at Local Office 25-6-19 51. Received at London Office

Port of GLASGOW.

No. in Survey held at PORT GLASGOW Date, First Survey 12TH APRIL 1951 Last Survey 12TH JUNE 19 51

Reg. Book. (No. of Visits 4.)

91678 on the HOPPER BARGE 'J. P. WEBB.'

Built at PORT GLASGOW By whom built FERGUSON BROS. (PORT GLASGOW) LTD Yard No. 397 When built 1951

Owners MELBOURNE HARBOUR TRUST COMMISSIONERS Port belonging to

Installation fitted by J. CHARTERS.

When fitted 1951

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. YES E.S.D. YES Gy.C. YES Sub.Sig. YES Radar YES

Plans, have they been submitted and approved YES System of Distribution TWO WIRE Voltage of Lighting 110

Heating YES Power 110 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency YES

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 YES Generator, are they compound wound YES, and level compounded under working conditions YES

if not compound wound state distance between generators YES and from switchboard YES Are the generators arranged to run

in parallel No, 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 YES Have certificates of

test for machines under 100 kw. been supplied YES and the results found as per Rule YES.

Position of Generators ON FLAT PORT SIDE OF ENGINE ROOM.

is the ventilation in way of generator 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 ADJACENT TO GENERATOR.

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 FITTINGS MOUNTED ON INSULATED BARS, 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 DOUBLE POLE KNIFE PATTERN SWITCH AND FUSES.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit DOUBLE POLE KNIFE PATTERN SWITCH AND FUSES

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard ONE

ammeters ONE, voltmeters YES, 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

EARTH LAMPS.

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

make of fuses FERGUSON & MUNRO, are all fuses labelled YES If circuit breakers are provided for the generators, at what

overload do they operate YES, and at what current do the reversed current protective devices operate YES

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 YES

state maximum fall of pressure between bus bars and any point under maximum load 5.1 VOLTS, 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 YES Are cables in machinery spaces, galleys, laundries, etc., lead covered YES or run in conduit YES

or of the "HR" type YES State how the cables are supported or protected MAINS L.C. CABLE CLIPPED TO TRAY

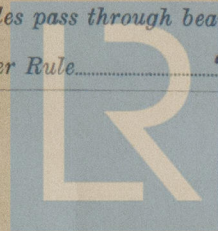
OR RUN IN GALVANISED PIPE. MACHINERY SPACE L.C. CABLE CLIPPED TO TRAY OR STEELWORK.

ACCOMMODATION L.C. CABLES CLIPPED 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 YES

Lloyd's Register
Foundation

2/EE00-0801M

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory..... YES

DESCRIPTION.

2/EF00-0801M

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.

L. Charters

Electrical Contractors.

Date *18th JUNE '51*

COMPASSES.

Have the compasses been adjusted under working conditions.

YES

FERGUSON BROTHERS (PORT-GLASGOW) LTD

[Signature]
DIRECTOR

Builder's Signature.

Date *20th June 1951*

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

YES

Is this installation a duplicate of a previous case.

✓

If so, state name of vessel.

✓

Plans. Are approved plans forwarded herewith.

No

If not, state date of approval.

7th FEBRUARY AND 5th MARCH 1951

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 installation of this vessel has been fitted on board under Special Survey tested under working conditions and found satisfactory. The quality of materials and workmanship is good.

Noted ADM 21-8-51

Total Capacity of Generators *10* Kilowatts.

The amount of Fee ...

£ *10* :

-

When applied for,

At. 19

When received,

19

Travelling Expenses (if any) £

- : *12* :

M. Gardiner
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned