

22 SEP 1949

'BIOGRAPHER'

Surveyor's Initials.

No. 74471

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

22 SEP 1949

Received at London Office

Date of writing Report 2ND SEPT. 19 49. When handed in at Local Office 17. 9. 19 49 Port of GLASGOW.No. in Survey held at PORT GLASGOW & GLASGOW. Date, First Survey 14TH JANUARY Last Survey 31ST AUGUST 19 49
Reg. Book. (No. of Visits 15)Tons { Gross 6915
Net 4123

91940 on the S.S. BIOGRAPHER

Built at PORT GLASGOW By whom built LITHGOWS. LTD Yard No. 1029 When built 1949

Owners CHARENTE S.S. CO LTD Port belonging to LIVERPOOL

Installation fitted by MESSRS CAMPBELL & ISHERWOOD When fitted 1949

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

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

if not compound wound state distance between generators 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 YES Have certificates of

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

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 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 800 AMP T.P. CIRCUIT BREAKER FITTED WITH OVERLOAD.

REVERSE CURRENT AND PREFERENCE TRIPS.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit DOUBLE POLE CIRCUIT BREAKER OR D.P. KNIFE

PATTERN SWITCHES WITH FUSES.

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

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

EARTH LAMPS.

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 FULL LOAD, and at what current do the reversed current protective devices operate 10%-15% F.L.

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 11.6 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 YES, if so, are they

adequately protected YES Are cables in machinery spaces, galleys, laundries, etc., lead covered YES, run in conduit YES

or of the M.I.C.C. type YES State how the cables are supported or protected MAINS - L.C. CABLE CLIPPED TO STEEL

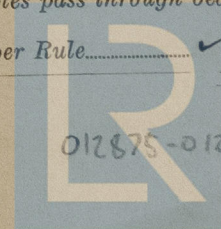
PLATE WITH COVER PLATE FITTED. MACHINERY SPACE - L.C.B. CABLES CLIPPED TO TRAY. ACCOMMODATION

- L.C. CABLE 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



012875-012887-019812

Lloyd's Register
Foundation

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.

Electrical Contractors.

Date 2-9-49

COMPASSES.

Have the compasses been adjusted under working conditions.

YES

LITHGOWS LIMITED.

Secretary

Builder's Signature.

Date 7/9/49

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.

No

If not, state date of approval 2ND JULY, 1947, AND 15TH MARCH, 1949.

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.

Total Capacity of Generators.

450

Kilowatts.

The amount of Fee ...

£ 101 : 5

1/5TH OF FEE TO LIVERPOOL OFFICE

20

5

4/5TH TO GLASGOW OFFICE

81

-

Travelling Expenses (if any) £

-

12

When applied for,

At. Gen.

19

When received,

19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 21 SEP 1949

Assigned

See accompanying machy pth.