

British Patriot

Surveyor's Initials.

Kpt. 13.

No. 75229

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 23 MAR 1950

Date of writing Report 6th MARCH 1950 When handed in at Local Office 20/3/1950 Port of GLASGOWNo. in Survey held at PORT GLASGOW & GREENOCK Date, First Survey 2nd NOVEMBER 1949 Last Survey 27th FEBRUARY 1950
Reg. Book. (No. of Visits)

35831 on the M.V. 'BRITISH PATRIOT' Tons { Gross Net

Built at PORT GLASGOW By whom built MESSRS LITHGOWS LTD Yard No. 1042 When built 1950

Owners BRITISH TANKER CO. LTD Port belonging to LONDON.

Installation fitted by MESSRS SUNDERLAND FORGE & ENGINEERING CO. LTD When fitted 1950

Is vessel equipped for carrying Petroleum in bulk. YES 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 Power 110 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. Yes and from switchboard. Yes 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. Yes and the results found as per Rule. Yes

Position of Generators Steam set - On flat Starboard side of Engine room Diesel sets - Port and Starboard sides 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 Adjacent to steam driven

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. 700 Amp. or 300 Amp. Triple pole circuit breaker fitted

with overload and reverse current trips.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. Double pole knife pattern switches with

cartridge type fuses.

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

ammeters. Three 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. Siemens '3ed' type, are all fuses labelled. Yes If circuit breakers are provided for the generators, at what

overload do they operate. 150% Full load, and at what current do the reversed current protective devices operate. 10-15% Full load.

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. 5.2 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.F.B. Cables clipped to

galvanised plate with cover plate fitted. MACHINERY SPACE - L.C.F.B. Cables clipped to tray or

steelwork. ACCOMMODATION - L.C.B. 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. Yes

[illegible]

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.

Per Pro. J. C. Shanks THE SUNDERLAND FORGE & ENGINEERING CO. LTD. Electrical Contractors. Date 10th March 1950.

COMPASSES.

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

Yes

LITHGOWS LIMITED.

J. H. White

Director.

Builder's Signature.

Date 13/3/50

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.....

5th October 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.

Noted.
9.5.17.4.50.

Total Capacity of Generators..... 180 Kilowatts.

The amount of Fee ...

£ 67 - - -

When applied for,

19

When received,

19

Travelling Expenses (if any) £

1 : 7 :

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

Committee's Minute

GLASGOW

MAR 1950

Assigned

SEE ACCOMPANYING MACHINERY REPORT