

Rpt. 13.

No. 75490

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

8 JUN 1950

Received at London Office

Date of writing Report 23RD MAY 1950 When handed in at Local Office 19 Port of GLASGOW
 No. in Survey held at GLASGOW & PORT GLASGOW Date, First Survey 27TH APRIL 1950 Last Survey 27TH APRIL 1950
 Reg. Book. (No. of Visits)

40957 on the M.V. 'WAZIRISTAN' Tons Gross Net

Built at PORT GLASGOW By whom built LITHGOWS LTD Yard No. 1051 When built 1950

Owners HINDUSTAN STEAM SHIPPING CO LTD Port belonging to SUNDERLAND

Installation fitted by MESSRS CAMPBELL & ISHERWOOD 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 110 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 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 YES and the results found as per Rule YES

Position of Generators STEAM SETS, STARBOARD SIDE OF ENGINE ROOM, DIESEL SET, IN DECKHOUSE ON 7^{FT} BOAT DECK

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 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 400 AMP. TRIPLE POLE CIRCUIT BREAKER FITTED WITH

OVERLOAD, REVERSE CURRENT, PREFERENCE TRIPS AND UNDERVOLTAGE RELEASE

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. KNIFE PATTERN SWITCHES WITH

'ZED' TYPE FUSES

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

ammeters TWO 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 'ZED' 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% FL

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 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 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.A.B. CABLES CLIPPED TO

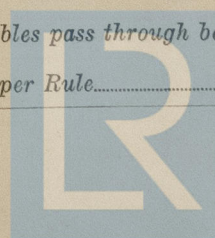
STEELWORK, MACHINERY SPACE - L.C.A.B. CABLES CLIPPED TO STEELWORK, ACCOMMODATION -

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 YES



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90640-010651-0057. 1/2

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

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

CAMPBELL & ISHERWOOD LTD.

A. H. White
Manager

COMPASSES.

Have the compasses been adjusted under working conditions

YES

LITHGOWS LIMITED.

A. H. White

Builder's Signature.

Date 31/5/50

Director & Secretary.

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

4/2/49; 9/2/50; 12/4/50

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 EUL 13/6/50.

Total Capacity of Generators 120 Kilowatts.

The amount of Fee ...

£ 58: 0

When applied for,

19

When received,

19

Travelling Expenses (if any) £

1: 2:

Surveyor to Lloyd's Register of Shipping.

M. Gardiner

Committee's Minute

GLASGOW

JUN 1950

Assigned

See F.E. Machy R/F Grk 24104



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