

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

9 OCT 1947

Date of writing Report... 26th SEPT. 1947 When handed in at Local Office... 7. 10. 1947 Port of... GLASGOWNo. in Survey held at... GLASGOW Date, First Survey... 22nd APRIL Last Survey... 25th SEPTEMBER 1947
Reg. Book. (Number of Visits... 6726)

90615 on the... CRAFTSMAN Tons { Gross... Net...

Built at... PORT GLASGOW By whom built... LITHGOWS LTD Yard No... 1020 When built... 1947

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

Electrical Installation fitted by... CAMPBELL & ISHERWOOD LTD Contract No... 1020 When fitted... 1947

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

Have plans been submitted and approved... YES System of Distribution... SINGLE WIRE HULL RETURN Voltage of supply for Lighting... 110

Heating... 110 Power... 110 Direct or Alternating Current, Lighting... D.C. Power... D.C. If Alternating Current state periodicity... Prime Movers,

has the governing been tested and found as per Rule when full load is suddenly thrown on and off... YES Are turbine emergency governors fitted with a

trip switch as per Rule... YES Generators, are they compound wound... YES, are they level compounded under working conditions... YES,

if not compound wound state distance between generators... and from switchboard... Where more than one generator is fitted are they

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... Have certificates of

test for machines under 100 kw. been supplied... YES and the results found as per rule... YES Are the lubricating arrangements and the construction

of the generators as per rule... YES Position of Generators... STARBOARD SIDE OF ENGINE ROOM

is the ventilation in way of generators satisfactory... YES are they clear of inflammable material... YES, if situated

near unprotected combustible material state distance from same horizontally... and vertically... are the generators protected from mechanical

injury and damage from water, steam and oil... YES, are the bedplates and frames earthed... YES and the prime movers and generators in metallic

contact... YES Switchboards, where are main switchboards placed... IN ENGINE ROOM NEAR GENERATORS

are they in accessible positions, free from inflammable gases and acid fumes... YES, are they protected from mechanical injury and damage from water, steam

and oil... YES, if situated near unprotected combustible material state distance from same horizontally... and vertically... what insulation

material 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... Is the frame effectually earthed... YES

Is the construction as per Rule... YES, including accessibility of parts... YES, absence of fuses on the back of the board... YES, individual fuses

to pilot and earth lamps, voltmeters, etc... YES locking of screws and nuts... YES, labelling of apparatus and fuses... YES, fuses on the "dead"

side of switches... YES Description of Main Switchgear for each generator and arrangement of equaliser switches... 150 AMP S.P. KNIFE

PATTERN SWITCH WITH FUSE

and for each outgoing circuit... 100 AMP 60 AMP OR 30 AMP S.P. 3WAY SELECTOR SWITCH WITH FUSE

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

ammeters... THREE voltmeters... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection... Earth Testing, state means provided...

Switches, Circuit Breakers and Fuses, are they as per Rule... YES, are the fuses an approved type... YES, are all fuses labelled as

per Rule... YES If circuit breakers are provided for the generators, at what overload current did they open when tested... are the reversed current

protection devices connected on the pole opposite to the equaliser connection... have they been tested under working conditions, and at what current

did they operate... Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule... YES

Cables, are they insulated and protected as per the appropriate Tables of the Rules... YES, if otherwise than as per Rule are they of an approved type... W.E.

state maximum fall of pressure between bus bars and any point under maximum load... 4.5 VOLTS, are the ends of all cables having a sectional area of 0.01

square inch and above provided with soldering sockets... YES Are paper insulated and varnished cambric insulated cables sealed at the ends... YES

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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.

CAMPBELL & SHERWOOD LTD. Electrical Engineers. Date 2-10-1947

COMPASSES.

Minimum distance between electric generators or motors and standard compass TWENTY EIGHT FEET.

Minimum distance between electric generators or motors and steering compass TWENTY SEVEN FEET.

The nearest cables to the compasses are as follows:—

A cable carrying 21 Ampères 7 feet from standard compass 10 feet from steering compass.

A cable carrying 23 Ampères LED INTO ~~feet from~~ standard compass LED INTO ~~feet from~~ steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power YES.

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted YES.

The maximum deviation due to electric currents was found to be Nil degrees on Any course in the case of the

standard compass, and Nil degrees on Any course in the case of the steering compass.

LITHGOWS LIMITED, Builder's Signature Date 6/12/47
H. H. White Secretary

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 1st APRIL 1947 AND 29th AUGUST 1947

Certificates. Are certificates of test for motors engaged on essential 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
17.6.47

Total Capacity of Generators 45 Kilowatts.

The amount of Fee £ 33 : 15 :
Travelling Expenses (if any) £ : ✓ :
When applied for, 19...
When received, 19...
Committee's Minute
Assigned Su F. Entry Report (Exk No 23551)

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

GLASGOW 7 OCT 1947



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