

REPORT ON ELECTRICAL EQUIPMENT.

JUL 31 1940

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.

Date of writing Report... 6th July 40. When handed in at Local Office... 30.7.40 Port of... GLASGOW.No. in Survey held at... PORT GLASGOW & GLASGOW. Date, First Survey... (1940) Mar 19th Last Survey... 4th July 1940.

Reg. Book. 19067 on the S.S. MARIETTA E. Tons { Gross 7627.68 Net 7627.68

Built at... PORT GLASGOW. By whom built... W.M. HAMILTON & CO. LTD. Yard No. 439 When built... 1940.

Owners... COUNTIES. SHIP MANAGEMENT CO. LTD. Port belonging to... LONDON.

Electrical Installation fitted by... CAMPBELL & ISHERWOOD LTD. Contract No. 439 When fitted... 1940.

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

Have plans been submitted and approved... System of Distribution... Low Voltage Voltage of supply for Lighting... 110.

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

has the governing been tested and found efficient when the whole load is suddenly thrown on and off... Are turbine emergency governors fitted with a

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

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... are shunt field regulators provided... Is the compound winding connected to the negative or positive pole

positive 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... and the results found as per rule... Are the lubricating arrangements and the construction

of the generators as per rule... Position of Generators... Main generator in engine room Aux'l generator special

compartment top of engine room is the ventilation in way of generators satisfactory... are they clear of inflammable material... 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... are the bedplates and frames earthed... and the prime movers and generators in metallic

contact... Switchboards, where are main switchboards placed... Gen. generators.

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

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

material is used for the panels... Sindano... if of synthetic insulating material is it an Approved Type... if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule... Is the frame effectually earthed...

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

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

side of switches... Description of Main Switchgear for each generator and arrangement of equaliser switches... D.P. Switch

and fuses.

and for each outgoing circuit... SP. G.P. Switch and D.P. fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Instruments on main switchboard... 2

ammeters... 2 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... earth lamps.

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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 & ISHERWOOD LTD.

Electrical Engineers.

Date 9.7.40

COMPASSES.

Minimum distance between electric generators or motors and standard compass 20 ft.

Minimum distance between electric generators or motors and steering compass 20 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 36 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 5.1 Ampères 16 feet from standard compass 14 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 L.

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

The maximum deviation due to electric currents was found to be nil degrees on 90° course in the case of the

standard compass, and nil degrees on 0° course in the case of the steering compass.

FOR WILLIAM HAMILTON & CO. LTD.

Builder's Signature.

Date 13th July 1940

Is this installation a duplicate of a previous case No. If so, state name of vessel —

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The electrical equipment of this vessel has been fitted on board under special survey, tested under full working conditions and found satisfactory. The materials and workmanship are good.

Noted
7/8/40

2m. 10. 33.—Transfer. (MADE IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Total Capacity of Generators 24 Kilowatts.

The amount of Fee ... £ 19 : 10 : .

When applied for,

When received.

Travelling Expenses (if any) £ :

Committee's Minute GLASGOW 30 JUL 1940

Assigned SEE ACCOMPANYING MACHINERY REPORT.

S. G. Findlay

Surveyor to Lloyd's Register of Shipping.



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