

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 10 DEC 1942

Date of writing Report 28th Nov. 42 When handed in at Local Office S. 12. 42 Port of GLASGOW

No. in Survey held at GLASGOW. Date, First Survey 1942 / Sept 18 Last Survey 5th November 1942
Reg. Book. (Number of Visits 7)

86297 on the S.S. 'EMPIRE GYPSY' Tons { Gross Net

Built at GLASGOW. By whom built A. & J. INGLIS LTD Yard No. 1175 P When built 1942

Owners MINISTRY OF WAR. TRANSPORT. Port belonging to GLASGOW

Electrical Installation fitted by W. MUIR, GOODFELLOW & CO. LTD. Contract No. 1175 P When fitted 1942

Is vessel fitted for carrying Petroleum in bulk - Is vessel equipped with D.F. - E.S.D. - Gy.C. - Sub.Sig. -

Have plans been submitted and approved System of Distribution two wires Voltage of supply for Lighting 110

Heating - Power 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

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

of the generators as per rule Position of Generators in 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 near 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 Sindanp 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

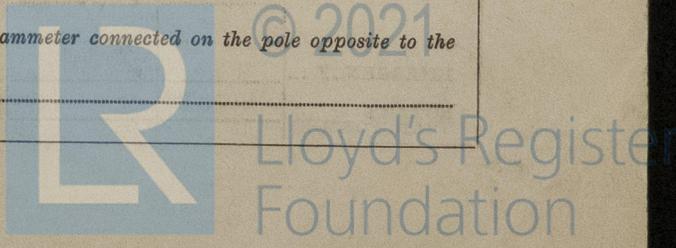
D.P. Switch and Fuse

and for each outgoing circuit D.P. C/P Switch and Fuse

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 Switch lamps



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.

FOR W. MUIR GOODFELLOW & COY LTD

W. Muir Goodfellow
Director

Electrical Engineers.

Date 30/11/42

COMPASSES.

Minimum distance between electric generators or motors and standard compass 100 feet

Minimum distance between electric generators or motors and steering compass 90 feet

The nearest cables to the compasses are as follows:—

A cable carrying .2 Ampères led into feet from standard compass led into feet from steering compass.

A cable carrying 6 Ampères 6 feet from standard compass 6 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 mi degrees on anf course in the case of the

standard compass, and mi degrees on anf course in the case of the steering compass.

A. & J. INGLIS LIMITED

W. Muir
Manager

Builder's Signature.

Date

Is this installation a duplicate of a previous case Yes If so, state name of vessel S.S. EMPIRE MAIDEN.

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 surref. tests under working conditions and found satisfactory. All the requirements of the approved plans and M.O.W.T specification have been carried out. The materials and workmanship are good.

Noted
S.G.
10/12/42

Job
5/12/42

Total Capacity of Generators 13 Kilowatts.

The amount of Fee ...	£ <u>13.</u>	:	When applied for,
<u>M.O.W.T spec.</u>	<u>23-5-0.</u>	:	<u>4/12/42</u>
Travelling Expenses (if any)	£	:	When received,
		:	<u>19</u>

S.G. Findlay
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 8 DEC 1942

Assigned See S.C. Report:

2m.10.38.—Transfer. (MADE IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minutes.)

