

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

15 JUN 1949

Date of writing Report.....19..... When handed in at Local Office.....19161.....19..... Port of.....Glasgow.....

No. in Survey held at.....Sundee..... Date, First Survey.....15th May 1949..... Last Survey.....27th May 1949.....
 Reg. Book..... on the.....S.S. "Woodland"..... Tons {Gross.....2759..... Net.....1403.....

Built at.....Sundee..... By whom built.....Galeon S. & Co. Ltd..... Yard No.....468..... When built.....5/49.....

Owners.....The Currie Line Ltd..... Port belonging to.....Leith.....

Electrical Installation fitted by.....Delfont, Grier Mackay & Co. Ltd..... Contract No.....1741..... When fitted.....5/49.....

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

Have plans been submitted and approved.....Yes..... System of Distribution.....Two conductor-insulated..... Voltage of supply for Lighting.....220.....

Heating.....220..... Power.....220..... Direct or Alternating Current, Lighting.....DC..... Power.....DC..... 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.....✓..... 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.....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.....✓..... 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.....Engine room bottom platform, starboard side.....
 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.....Engine room bottom platform, off of 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.....Sindanyp....., 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.....D.P. free handle,
 air break of breakers with interlocked equaliser switch. Overcurrent & reverse
 current protection.

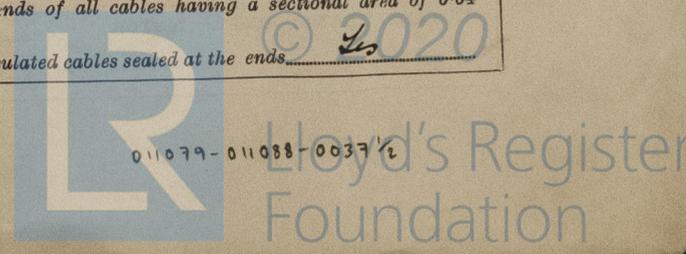
and for each outgoing circuit.....D.P. knife switches & fuses.....

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.....Yes..... Earth Testing, state means provided.....Lamps permanently connected.....

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.....150a....., are the reversed current
 protection devices connected on the pole opposite to the equaliser connection.....Yes....., have they been tested under working conditions, and at what current
 did they operate.....15a..... 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.....✓.....
 state maximum fall of pressure between bus bars and any point under maximum load.....3.5v....., are the ends of all cables having a sectional area of 0.04
 square inch and above provided with soldering sockets.....Yes..... Are paper insulated and varnished cambric insulated cables sealed at the ends.....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.

TELFORD, GRIER, MACKAY & CO. LTD.

G. G. Ferguson

DIRECTOR Electrical Engineers.

Date 13th June 48.

COMPASSES.

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

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

The nearest cables to the compasses are as follows:—

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

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

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

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

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

Builder's Signature. Date.....

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..... *5.11.48*

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 equipment in this ship has been installed in accordance with the approved plans under the supervision of the Surveyors. Workmanship is satisfactory & tests have been carried out on the completed installation in accordance with the Rules.

It is recommended that the installation be accepted for classification without restriction.

Noted and 12/7/49

Total Capacity of Generators..... *50 ✓* Kilowatts.

The amount of Fee £ *47 : 10* : When applied for, *JUNE 4th 1949*

Travelling Expenses (if any) £ : : When received,19.....

S. G. Johnson : *S. Walker*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... **GLASGOW 14 JUN 1949**

Assigned..... **SEE ACCOMPANYING MACHINERY REPORT**

5m. 4.38.—Transfer. (MADE AND PRINTED IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minutes.)

