

RECEIVED  
AUG 1947

Rpt. 13.

No. 24325

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

28 JUL 1947

Date of writing Report 28.7.1947 When handed in at Local Office 28.7.1947 Port of Antwerp

No. in Survey held at Antwerp Date, First Survey 6-11-46 Last Survey 11th June 1947  
Reg. Book. 89904 on the S.S. "HEMBURY" ex H.M.S. "GREENWICH" Tons (Gross..... Net.....)

Built at Newcastle-on-Tyne By whom built Wm. Robson & Co. Yard No. 184 When built 1915  
Owners J.F.R. Grant & Co. Port belonging to London

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

Have plans been submitted and approved Yes System of Distribution Double Wire Voltage of supply for Lighting 110  
Heating Power 110 Direct or Alternating Current, Lighting Direct Power Direct 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

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 and the results found as per rule Are the lubricating arrangements and the construction of the generators as per rule Position of Generators Std. side of Engine Room 2-15kw aft. + 1-7 1/2 kw. Ford.

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 Std. side aft. Bulkhead.

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 "Pierate", 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 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

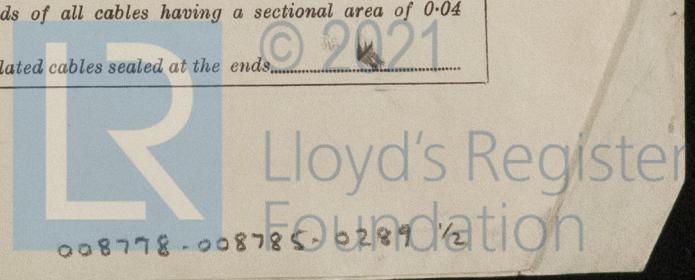
Description of Main Switchgear for each generator and arrangement of equaliser switches Main OP. Switches + fuses for Generators etc + S.P. Switches + fuses for Feeder.

and for each outgoing circuit as above.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Instruments on main switchboard ammeters 3 voltmeters 3 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 Earth Lamps - Switch + Fuse on each Pole.

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, state maximum fall of pressure between bus bars and any point under maximum load 4.4 V, 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





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 Engineers. Date.....

**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 4.2 Ampères 10 feet from standard compass 10 feet from steering compass.

A cable carrying .18 Ampères 10 feet from standard compass 10 feet from steering compass.

A cable carrying .18 Ampères 10 feet from standard compass 10 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 *Yes*.....

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..... If so, state name of vessel.....

Plans. Are approved plans forwarded herewith *Yes*..... If not, state date of approval.....

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith.....

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

*Please see Pt-4. for Recommendations*

Total Capacity of Generators..... *37 1/2* Kilowatts.

The amount of Fee ... £ : : { When applied for, .....19.....  
 Travelling Expenses (if any) £ : : { When received. ....19.....

*J. G. Martin*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....

Assigned.....

5011,430.—Transfer. (MADE AND PRINTED IN ENGLAND.)  
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

