

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

6 - JAN 1948

Received at London Office.....

Date of writing Report 29<sup>th</sup> December 47 When handed in at Local Office.....19..... Port of Copenhagen

No. in Survey held at Copenhagen Date, First Survey 14<sup>th</sup> June Last Survey 20<sup>th</sup> December 1947  
Reg. Book. (Number of Visits.....)

21748 on the Single Se. "CLARA" Tons { Gross 1398  
Net 798

Built at Pris By whom built Lewalds works Yard No. 669 When built 1925

Owners Georg Jensen (Fokus & Wauisodign) Port belonging to Copenhagen

Electrical Installation fitted by Bonus Boveri Ag Pris Contract No. .... When fitted 1925

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

Have plans been submitted and approved yes System of Distribution 2 wire - 2 conductor Voltage of supply for Lighting 110

Heating..... Power..... Direct or Alternating Current, Lighting Direct Power..... 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 shunt, 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 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..... 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 yes

Position of Generators Starboard side of engine room floor level

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 On the left hand engine room bulk head

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 nickel - marble

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 yes

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 2 pole switches with fuses on each pole

and for each outgoing circuit 2 pole switches with fuses on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 1

ammeters..... 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 1 set of earth lamps

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an approved type....., 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 no, are the reversed current protection devices connected on the pole opposite to the equaliser connection.....

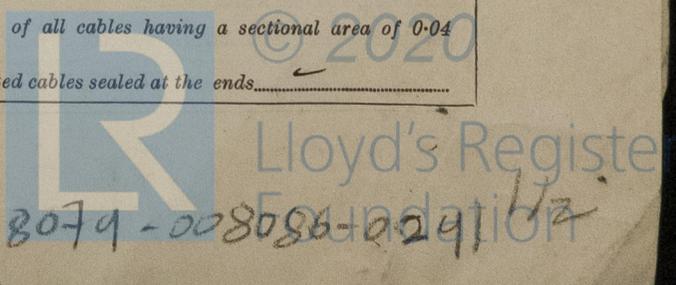
have they been tested under working conditions, and at what current did they operate.....

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....., 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 ~~short~~ 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 ..... 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..... *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.)..... ✓

*The runnings of the above electric installation have been checked & found in accordance with the approved plans. The installation has been megger tested & tested under working conditions & found efficient.*

*Noted SW 3/2/48*

Total Capacity of Generators..... *5*..... Kilowatts.

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

Surveyor to Lloyd's Register of Shipping.

FBI. 23 APR. 1948

Committee's Minute .....

Assigned..... *See minutes form*

500,439.—Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2020

Lloyd's Register Foundation