

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

15 SEP 1948

Received at London Office.....

Date of writing Report..... 11.9.48 When handed in at Local Office..... 10..... Port of..... Stockholm

No. in Survey held at..... Stockholm Date, First Survey 15.12.47 Last Survey 1.6.1948
Reg. Book.....
75315 on the steamer "SJÖBRIS" ex "Carolia" Tons { Gross..... 1219
Net..... 755

Built at..... Hoboken By whom built Chant Nav. Anversois Yard No. - When built 1906-9

Owners..... Rederi A/B Bris Port belonging to..... Stockholm

Electrical Installation fitted by..... Marinverkstäderna, Stockholm Contract No. - When fitted 1948

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 110

Heating..... Power 110 Direct or Alternating Current, Lighting D.C. Power D.C. 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.....

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..... No, 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 Tests as per Rule carried out under my supervision with satisfactory results.

test for machines under 100 kw. been supplied..... 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 10 Kw. generator engine room s.s. 1.4 Kw. generator

engine room s.s. forward, 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 s.s.

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 Bakelite, steatite (steel front), 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..... 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..... Two pole circuit

breakers,

and for each outgoing circuit..... Double pole knife switch and double pole fuses,

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule..... Yes 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

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..... See note, if otherwise than as per Rule are they of an approved type..... See note,

state maximum fall of pressure between bus bars and any point under maximum load..... Not above 4%, 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.

B. H. Hedvall
Arbetschefen
Elavdelningen

Electrical Engineers.

Date *13.9.48*

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....Transformer for wireless 8 metres

Minimum distance between electric generators or motors and steering compass.....".....10 metres

The nearest cables to the compasses are as follows:—

A cable carrying1..... Ampères4 metres
.....feet from standard compass4 metres
.....feet from steering compass. (binnacle lights)

A cable carrying1..... Ampères1.5 metres
.....feet from standard compass1 metre
.....feet from steering compass. (clear sight apparatus)

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 powerYes

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

The maximum deviation due to electric currents was found to be0..... degrees on course in the case of the
standard compass, and0..... 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.....16.4.48.

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith.....None

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

NOTE:—

The cables used for the accommodation is of type E.D.B.L. and F.D.F.F. for
wiring elsewhere as approved by Secretary's letter of the 31st March, 1948.

The electrical equipment of this vessel has been installed under Special Survey
to my satisfaction. The workmanship and material are good.

Insulation tests have been carried out with satisfactory results.

The vessel is now equipped with E.S.D. and D.F.

N. Hedvall
P.S.
16/10/48

Total Capacity of Generators.....11.4.....Kilowatts.

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

Frank G. Jones

Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....

Assigned.....*See minute on Stm. 6960*

5m.4.39.—Transfer. (MADE AND PRINTED IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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