

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office..... 17 MAR 1948

Date of writing Report... 13/3..... 1948 When handed in at Local Office... 13/3..... 1948 Port of... HELSINGBORG.

No. in Survey held at... Helsingborg Date, First Survey... 9/11-47 Last Survey... 11/3..... 1948  
Reg. Book. (Number of Visits... 13.....)37814 on the... M/S "SOMMEN". Tons {Gross... 3927  
Net... 2608

Built at... Richmond, Cal. By whom built... Kaiser Cargo Inc. Yard No... 68 When built... 1945

Owners... Rederi A/B Sigyn Port belonging to... Helsingborg

Electrical Installation fitted by... Contract No... When fitted... 1945

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

Have plans been submitted and approved... No System of Distribution... Two wire system Voltage of supply for Lighting... 120

Heating... 240 Power... 240 Direct or Alternating Current, Lighting Dir. Power Dir. 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... 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... Port side in the Engine Room

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... Port side in the Engine Room

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... Dead front type, 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... 5 pole disc link

circuit breaker with overload and reversed current trips (including equaliser switch)

and for each outgoing circuit... Double and three-pole circuit breakers with overload current trips

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Yes Instruments on main switchboard... 4

ammeters... 2 voltmeters... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

Ammeter on each pole equaliser connection... Earth Testing, state means provided... Ohm meter with pole switch and earth lamps

Switches, Circuit Breakers and Fuses, are they as per Rule... Yes, are the fuses an approved type... USSMANN MFG. Co., St. Louis

per Rule... Yes If circuit breakers are provided for the generators, at what overload current did they open when tested... 1350 A, 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... Yes 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... 5 V., are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets... No Are paper insulated and varnished cambric insulated cables sealed at the ends... Yes



© 2021

Lloyd's Register  
Foundation



© 2021 0062 1/2  
LR Lloyd's Register Foundation



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 12 m.

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

The nearest cables to the compasses are as follows:—

A cable carrying 0.1 Ampères 0.2 m. ~~xxx~~ from standard compass 0.2 m. ~~xxx~~ 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 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 — 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.) —

The electrical equipment installations of this vessel was originally fitted under the special supervision of the Surveyors to the American Bureau of Shipping and classed with that Society but have now been surveyed and tested by me for Classification with this Society.

The condition and standard of workmanship, as now seen, is considered to be good and satisfactory.

Total Capacity of Generators 515 Kilowatts.

The amount of Fee ... Kr. x 600: : 13/3 19.48

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

Committee's Minute

Assigned

see H.B. Rpt.

*T. O. Logman*  
Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register  
Foundation