

REPORT ON ELECTRICAL EQUIPMENT.

7 AUG 1948

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 20 JULY 1948 When handed in at Local Office 5.8. 1948 Port of ANTWERP

No. in Survey held at ANTWERP. Date, First Survey 11 JANUARY Last Survey 12 JULY 1948
Reg. Book. (Number of Visits.....)

68717 on the X JOSEPH MARI (ex. HAMBURG) Tons {Gross 1044
Net 612

Built at HAMBURG. By whom built SEYDOW (ANTWERP) AG. Yard No. When built 1921

Owners Soc. Belge de Navigation Maritime Port belonging to ANTWERP

Electrical Installation fitted by ATELIERE FABRIQUE SINGERE & Co Contract No. When fitted

Is vessel fitted for carrying Petroleum in bulk NO Is vessel equipped with D.F. YES E.S.D. Gy. Cox Sub. Sig.

Have plans been submitted and approved YES. System of Distribution TWO WIRE. Voltage of supply for Lighting 110V

Heating Power Direct or Alternating Current, Lighting AC 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 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 , 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 Position of Generators FOR P.M. LOWER PLATFORM STARBOARD

 , 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 are the bedplates and frames earthed YES and the prime movers and generators in metallic contact YES. Switchboards, where are main switchboards placed UNDER AIR TIGHTEN STARBOARD IN DECK

 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 PERRITE, 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

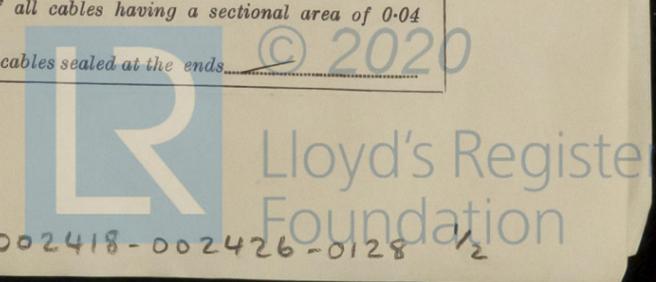
Is the construction as per Rule YES, including accessibility of parts YES, absence of fuses on the back of the board YES, individual fuses to pilot and earth lamps, voltmeters, etc. YES locking of screws and nuts YES, labelling of apparatus and fuses YES, fuses on the "dead" side of switches YES. Description of Main Switchgear for each generator and arrangement of equaliser switches DOUBLE POLE KNIFE EDGE SWITCHES

 and for each outgoing circuit DOUBLE POLE KNIFE EDGE

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

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 4.2%, are the ends of all cables having a sectional area of 0.04 square inch and above provided with soldering sockets . Are paper insulated and varnished cambric insulated cables sealed at the ends



48843.

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. *[Signature]*

COMPASSES.

Minimum distance between electric generators or motors and standard compass *20 ft.*

Minimum distance between electric generators or motors and steering compass *20 ft.*

The nearest cables to the compasses are as follows:—

A cable carrying *60* Ampères *6 ft.* feet from standard compass *20 ft.* feet from steering compass.

A cable carrying *10* Ampères *2 ft.* feet from standard compass *8 ft.* 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 *—* If so, state name of vessel *—*

Plans. Are approved plans forwarded herewith *—* If not, state date of approval *26/4/48.*

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.) *—*

This installation was examined & mugged test on completion & found in accordance with Rules requirements.

[Handwritten notes and signatures in the General Remarks section]

Total Capacity of Generators *3.5* Kilowatts.

The amount of Fee ... *see Rate 9.* : When applied for,19.....
Travelling Expenses (if any) £ : : When received.19.....
[Signature]
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 24 SEP 1948*

Assigned *See FE mch. rpt.*

B116
5m. 4.89.—Transfer. (MADE AND PRINTED IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

