

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

8-MAR-1948

Date of writing Report. 3rd FEB 1948 When handed in at Local Office.....19..... Port of LISBON

No. in Survey held at ALFEITE Date, First Survey 22-4-47 Last Survey 3rd FEB 1948
Reg. Book. (Number of Visits.....7.....)

32485 on the MOTOR TANKER SAMEIRO Tons {Gross...7416...
Net...4339...

Built at ALFEITE By whom built ARSENAL DO ALFEITE Yard No. 15 When built 1948

SOCIEDADE PORTUGUESA DE NAVIOS TANQUES, L^{da} "SOPONATA"
Owners SIA COLONIAL DE NAVEGACAO Port belonging to LISBON

Electrical Installation fitted by ARSENAL DO ALFEITE Contract No. — When fitted 1948

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

Have plans been submitted and approved YES System of Distribution 2 WIRE Voltage of supply for Lighting 110

Heating 110 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

NEGATIVE 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 YES 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 PORT SIDE E.R. AT PLATFORM 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 FORWARD E.R. BULKHEAD, PORT SIDE

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 EBONITE & BAKELITE, 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 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.

CIRCUIT BREAKERS WITH OVERLOAD AND REVERSE CURRENT TRIPS

and for each outgoing circuit DP LINKED SWITCHES

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule W.I. IRON Instruments on main switchboard 3

ammeters 3 voltmeters — 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 2 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 +50%, are the reversed current

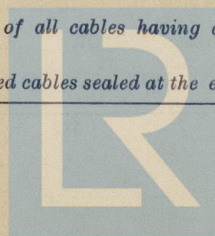
protection devices connected on the pole opposite to the equaliser connection YES, have they been tested under working conditions, and at what current

did they operate 15% 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 NIL, 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 YES



PARTICULARS OF GENERATING PLANT. CAT

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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 4/3/48

COMPASSES.

Minimum distance between electric generators or motors and standard compass 80 m.

Minimum distance between electric generators or motors and steering compass 80 m.

The nearest cables to the compasses are as follows:—

A cable carrying 10 Ampères 3 m. feet from standard compass 2 m. feet from steering compass.

A cable carrying 1 Ampères 2 m. feet from standard compass 2 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 degree on course in the case of the steering compass.

Builder's Signature.

Date 4.4.48

Is this installation a duplicate of a previous case No If so, state name of vessel

Plans. Are approved plans forwarded herewith If not, state date of approval 16-1-47

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 installation has been satisfactorily fitted on board in accordance with the approved plans, the Secretary's letters and the Society's Rules.
The insulation and voltage drop have been tested throughout and found satisfactory.

The installation in my opinion is eligible to be classed.

6.4.48.

Total Capacity of Generators 106 Kilowatts.

The amount of Fee ... £ 11,200.00. When applied for, 3 Feb. 1948.

Travelling Expenses (if any) £ : When received, 26 Feb. 1948.

John Cuthrie

Surveyor to Lloyd's Register of Shipping.

for self + Mr. Dixon.

Committee's Minute FRI 16 APR 1948

Assigned

See F.E. mch. rpt.



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