

Rpt. 13.

No. 13112

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report... 4th Nov 1947 When handed in at Local Office... 4th Nov 1947 Port of... TRIESTENo. in Survey held at... TRIESTE Date, First Survey... 20/11/47 Last Survey... 19
Reg. Book. (Number of Visits...)71750 on the S.S. "DIANA" Tons { Gross... 334.7
Net... 192.9

Built at PALERMO By whom built CANT. RIUNITI Yard No. - When built 1923

Owners ADRIATICA S.A. DI NAV Port belonging to VENICE

Electrical Installation fitted by LLOYD-ARJENALE, TRIESTE Contract No. - When fitted 1947

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

Have plans been submitted and approved YES System of Distribution 2 WIRE D.C. Voltage of supply for Lighting 100

Heating - Power - Direct or Alternating Current, Lighting D.C. 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 No, are they level compounded under working conditions No,

if not compound wound state distance between generators 6' and from switchboard 7' Where more than one generator is fitted are they

arranged to run in parallel No, 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 No and the results found as per rule - Are the lubricating arrangements and the construction

of the generators as per rule YES Position of Generators ENGINE ROOM 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 YES, are the bedplates and frames earthed YES and the prime movers and generators in metallic

contact YES Switchboards, where are main switchboards placed ENG. ROOM STARBOARD

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 MARBLE WITH PORCELAIN & BAKELITE, 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

DOUBLE POLE LINKED SWITCH WITH AUTOMATIC OVERLOAD

RELEASE

and for each outgoing circuit DOUBLE POLE LINKED SWITCH WITH FUSE ON

EACH POLE

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 15%, are the reversed current

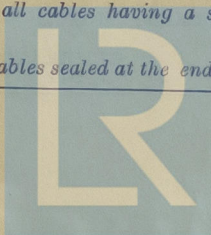
protection devices connected on the pole opposite to the equaliser connection - have they been tested under working conditions, and at what current

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 3 Volts, 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

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003091-003091-0202 1/2

PARTICULARS OF GENERATING PLANT.

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

60'

Minimum distance between electric generators or motors and steering compass

52'

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 8 feet from standard compass 6 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

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 Nil degrees on any course in the case of the standard compass, and Nil degrees on any 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

If not, state date of approval

17/9/47

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 of the vessel has been examined and checked in accordance with the approved plan. The materials and workmanship are good and the insulation resistance was tested and found satisfactory. In my opinion the installation is eligible for classification.

Notes. sub. 27/1/47.

Total Capacity of Generators

22.5

Kilowatts.

The amount of Fee ...

See letter

When applied for, 19. When received, 19.

Travelling Expenses (if any) £

John McAfee

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

19 DEC 1947

Assigned

See F.E. mch 1/47



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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.)