

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report... 8/11/47... 1947 When handed in at Local Office... 8/11/47... 1947 Port of... Genoa.
 Date, First Survey... 19 July 1947... Last Survey... 20/10/1947
 Reg. Book... 6931 on the... M.V. "ANTEO."
 Tons { Gross 6665 Net 3940
 Built at... PALERMO By whom built... CANTIERI NAVALI RIUNITI Yard No. ✓ When built... 1934 11 mo.
 Owners... SOCIETA LIGURE DI ARMAMENTO Port belonging to... GENOA.
 Electrical Installation fitted by... Cantieri del Tirano Contract No. ✓ When fitted... 1947-10-0.
 Is vessel fitted for carrying Petroleum in bulk... Yes 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-pole Voltage of supply for Lighting... 110V.
 Power... 110V Direct or Alternating Current, Lighting... Power... If Alternating Current state periodicity... Prime Movers,
 Is 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... ✓
 Not compound wound state distance between generators... ✓ and from switchboard... ✓ Where more than one generator is fitted are they
 Ranged to run in parallel... No, are shunt field regulators provided... Yes Is the compound winding connected to the negative or positive pole
 Positive Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing... ✓ Have certificates of
 Test far machines under 100 kw. been supplied... ✓ and the results found as per rule... ✓ Are the lubricating arrangements and the construction
 The generators as per rule... ✓ Position of Generators... 2 Engine Room.
 Is the ventilation in way of generators satisfactory... ✓ are they clear of inflammable material... ✓, 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... ✓ and the prime movers and generators in metallic
 Contact... ✓ Switchboards, where are main switchboards placed... 2 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... Marble, 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
 The construction as per Rule... Yes, including accessibility of parts... Yes, absence of fuses on the back of the board... Yes, individual fuses
 Pilot and earth lamps, voltmeters, etc... Yes, locking of screws and nuts... Yes, labelling of apparatus and fuses... Yes, fuses on the "dead"
 Type of switches... Yes Description of Main Switchgear for each generator and arrangement of equaliser switches... Automatic Switches
 And for each outgoing circuit... Lever Switches.
 Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Yes Instruments on main switchboard... 3
 Meters... 3 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... Pilot lights
 Switches, Circuit Breakers and Fuses, are they as per Rule... Yes, are the fuses an approved type... Yes, are all fuses labelled as
 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
 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... ✓
 The 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
 Are inch and above provided with soldering sockets... Yes Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

and found satisfactory.....Yes

PARTICULARS OF GENERATING PLANT

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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.

Comptoir del Cinema - *Lucy de Mey*

Electrical Engineers.

Date

25/10/47

COMPASSES.

Minimum distance between electric generators or motors and standard compass

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying Ampères feet from standard compass feet from steering compass.

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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

12 August 1947.

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 has been made in accordance with the rules and approved plans — the workmanship is good, and the installation has been examined under working conditions and found satisfactory. The insulation has been megger tested with satisfactory results.

Total Capacity of Generators 42. Kilowatts.

The amount of Fee ...

£4,350

When applied for,

8/11/47

CAR EXPS. FUND

870

Travelling Expenses (if any)

£305

When received.

REVENUE TAX

£370

.....19.....

E. Wilson for Self & M. Bonivento.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See Rpt 9