

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) 7 JUL 1947

Received at London Office.....

Date of writing Report.....19..... When handed in at Local Office.....30.6.....1947 Port of Trieste

No. in Survey held at Monfalcone Date, First Survey 3.3 Last Survey 11.6 1947
 Reg. Book. (Number of Visits.....9.....)
89500 on the M/S VIGAN Tons {Gross.....784
 Net.....399

Built at Monfalcone By whom built Cant. Riva dell'Adriatic Yard No. 1728 When built 1947
 Owners Vesterdaens Dampskibsselskab Port belonging to Stokmarknes
 Electrical Installation fitted by Officina Elettromeccanica CRDA Contract No. 1728 When fitted 1947
 Is vessel fitted for carrying Petroleum in bulk no Is vessel equipped with D.F. no E.S.D. no Gy.C. no Sub.Sig. no

Have plans been submitted and approved yes System of Distribution two wires Voltage of supply for Lighting 220
 Heating — Power 220 Direct or Alternating Current, Lighting — 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 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 E.R. port & starb
—, 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 in E.R. 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 porcelain or mica (steel plate) 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 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 two faces, 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 circuit
breakers wit overload and reverse current trip and interlocked switch for
Equalizer
 and for each outgoing circuit double pole link switches with fuse to each pole
—
 Are compartments containing switchboards composed of fire-resisting material or lined as per Rule — Instruments on main switchboard 3
 ammeters 4 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 voltmeter & lamps
 Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an approved type Diased, 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 time, 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 12% 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%, 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 —

and found satisfactory yes.

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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.

CANTIERI RIUNITI DELL'ADRIATICO
OFFICINE ELETTROMECCANICHE

Electrical Engineers.

Date

COMPASSES.

Minimum distance between electric generators or motors and standard compass. 40 feet

Minimum distance between electric generators or motors and steering compass. 46 feet

The nearest cables to the compasses are as follows:—

A cable carrying 1 Ampères 10 feet from standard compass 10 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 none degrees on course in the case of the standard compass, and none degrees on course in the case of the steering compass.

Cantieri Navale Monfalcone

CANTIERI RIUNITI DELL'ADRIATICO

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 in London If not, state date of approval 12.1.46, 12.1.46

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith yes

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

This electrical equipment has been fitted under special survey in accordance with the Rules and approved plans. The material and workmanship are good. The insulating condition of the installation tested and found in order. The generators, motors, lamps etc. tested in working condition and found satisfactory.

Total Capacity of Generators 75 Kilowatts.

The amount of Fee ... £ 56.250 : :
Travelling Expenses (if any) £ : :
When applied for, 1/7/47 1947
When received, 1947

R. F. F. F. F.
Surveyor to Lloyd's Register of Shipping

Committee's Minute 15 AUG 1947

Assigned Su F.E. mchy. opt.