

REC'D NEW YORK OCT 27 1961

Rpt. 13.

No. 364

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report Oct. 24, 1961 When handed in at Local Office 19 Port of Miami
 No. in Survey held at Miami Date, First Survey July 18 Last Survey Oct. 25, 1961
 Reg. Book. (No. of Visits 970 90)

on the Steel M/V "MARIA VERONICA" ex USN LSM-369 Tons { Gross 970 Net 510
 Built at Houston, Texas By whom built Brown Shipbuilding Co. Yard No. 1944 When built 1944
 Owners J. Manuel Cordova Port belonging to Valpariso (Chile)
 Installation fitted by When fitted

Is vessel equipped for carrying Petroleum in bulk Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig. Radar
 3 phase 3 wire for power & light feeders, single phase 2 wire lighting branch circuits
 Plans, have they been submitted and approved System of Distribution Voltage of Lighting 117
 Heating -- Power 450 DC or A.C., Lighting 117 AC 110 volt DC steering & radio
 If A.C. state frequency 60

Prime Movers, has the governing been found as per Rule when full load is thrown on and off yes Are turbine emergency governors fitted
 with a trip switch -- Generators, are they compound wound shunt, and level compounded under working conditions shunt
 if not compound wound state distance between generators 6' and from switchboard 8' Are the generators arranged to run
 in parallel yes, 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 no Have certificates of
 test for machines under 100 kw. been supplied no and the results found as per Rule --

Position of Generators in engine room
 is the ventilation in way of generators satisfactory yes are they clear of inflammable material and protected from mechanical injury and
 damage from water, steam and oil yes Switchboards, where are main switchboards placed in engine room

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water,
 steam and oil yes, what insulation is used for the panels 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 construction as per Rule, including locking of screws and nuts yes Description of Main Switchgear
 for each generator and arrangement of equaliser switches AC-3 pole circuit breaker with overload and reverse
power trips. DC-2 pole circuit breaker with overload and reverse current trips.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 2 and 3 pole molded case circuit breakers

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 450 volt AC2
ammeters 2 lamps & Synchroscope 120 volt DC2
voltmeters 2 synchronising devices For compound machines in parallel are the ammeters and reversed current
 protection devices connected on the pole opposite to the equaliser connection no equalizer Earth Testing, state means provided ground
 lamps on 450 volt AC, 117 volt AC and 120 volt DC

Switches, Circuit Breakers and Fuses, are they as per Rule USN Rules, are the fuses an Approved Type yes NEC
 make of fuses Buss, are all fuses labelled yes If circuit breakers are provided for the generators, at what
 overload do they operate 150% of 160 amp., and at what current do the reversed current protective devices operate 10 amp.

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule US Navy
 Cables, are they insulated and protected as per Rule USN, if otherwise than as per Rule are they of an Approved Type none, are the ends of all cables having a sectional
 area of 0.01 square inch and above provided with soldering sockets soldered Are all paper insulated and varnished cambric insulated
 cables sealed at the ends yes Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil,
 high temperatures or risk of mechanical damage yes, are any cables laid under machines or floorplates no, if so, are they
 adequately protected -- Are cables in machinery spaces, galleys, laundries, etc., lead covered impervious sheath or run in conduit --
 or of the "HR" type -- State how the cables are supported or protected cable flanges, supported by metal
carriers at intervals of 18" vertical and 14" horizontal.

Are all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertight
 bulkheads provided with deck tubes or watertight glands yes, where unarmoured cables pass through beams, etc., are the holes
 effectively bushed yes Refrigerated chambers, are the cables and fittings as per Rule --

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Foundation

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory.....yes

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.

Wade Dry Dock Corp John Noe Supt Electrical Contractors. Date.....

COMPASSES.

Have the compasses been adjusted under working conditions.....

Wade Dry Dock Corp John Noe Supt Builder's Signature. Date.....

Have the foregoing descriptions and schedules been verified and found correct..... yes

Is this installation a duplicate of a previous case..... If so, state name of vessel.....

Plans. Are approved plans forwarded herewith..... no If not, state date of approval.....

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith..... no

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

This electrical installation is to the Standard of the United States Navy and has been in operation since 1944. The dimensions in this report have been checked, so far as possible on the vessel and found correct. The materials and workmanship are good and the installation has been examined and tested as required by the Society's Rules and modified as required by the New York office letters and found to be satisfactory.

In my opinion the electrical installation is such as could be accepted by the Committee for Classification subject to replacement of breaker trip units as soon as available by the manufacturer.

Total Capacity of Generators..... 200 Kilowatts.

The amount of Fee ... £ : : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Fred H. Hallbauer
Surveyor to Lloyd's Register of Shipping.
Fred H. Hallbauer

Committee's Minute.....

Assigned..... See Inmate 368