

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

9-FEB-1956

Date of writing Report 29-1-56 When handed in at Local Office 3/2/1956 Port of GENOANo. in Survey held at GENOA Date, First Survey 31-8-55 Last Survey 17-1-1956  
Reg. Book. (No. of Visits 21)✓ on the SINGLE SCREW "MIRAFLORES" Tons 20746  
Gross 20746  
Net ✓Built at GENOA SESTRI By whom built S.A. ANSALDO - CANTIERI NAVALI Yard No. 1490 When built 1956Owners MIRAFLORES S.A. COMPANIA NAVIERA Port belonging to PANAMA  
PANAMENA.Installation fitted by S.A. ANSALDO - CANTIERI NAVALI - GENOA SESTRI When fitted 1955/1956Is vessel equipped for carrying Petroleum in bulk YES Is vessel equipped with D.F. YES E.S.D. YES Gy.C. YES Sub.Sig. V Radar YESPlans, have they been submitted and approved YES System of Distribution TWO WIRES - PARALLEL SYSTEM  
WITH CONSTANT PRESSURE Voltage of Lighting 110Heating 220 Power 220 D.C. or A.C., Lighting DIRECT Power DIRECT If A.C. state frequency VPrime 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 YES Generators, are they compound wound YES, and level compounded under working conditions YESAre the generators arranged to run in parallel YES Is the compound winding connected to the negative or positive pole NEGATIVEHave machines 100 kw. and over been inspected by the Surveyors during manufacture and testing YES Have certificates of test for machines  
under 100 kw. been supplied and the results found as per Rule YES Position of Generators ALL GENERATORS FITTED  
ON FLAT AT THE AFTER END OF ENGINE ROOMis 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 ON FLAT PORT SIDE  
OF ENGINE ROOMare 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 DEAD FRONT TYPE - METALLIC FRAME  
MICA OR MICANITE BUSHES and WASHERS, if of synthetic insulating  
material is it an Approved Type V, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as  
per Rule V Is the construction as per Rule, including locking of screws and nuts YES Description of Main Switchgearfor each generator and arrangement of equaliser switches FOR EACH GENERATOR OF 550 KW and 120 KW: A DOUBLE POLE  
CIRCUIT BREAKER WITH OVERLOAD TRIP ON EACH POLE, REVERSE CURRENT TRIP AND INTERLOCKED EQUALISER  
SWITCH - FOR THE GENERATOR OF 25 KW: A DOUBLE POLE CIRCUIT BREAKER WITH OVERLOAD TRIP ON EACH POLE  
and the switch and fuse gear (or circuit breakers) for each outgoing circuit A DOUBLE POLE CIRCUIT BREAKER WITH OVERLOAD  
TRIP ON EACH POLEAre compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard 26  
ammeters, 7 voltmeters V synchronising devices. For compound machines in parallel are the ammeters and reverse current  
protection devices connected on the pole opposite to the equaliser connection YES Earth Testing, state means provided TWO OHMMETERSAND EARTH INDICATING SYSTEM USING TWO LAMPS Preference Tripping, state if provided YES, and tested YESSwitches, Circuit Breakers and Fuses, are they as per Rule YES, are the fuses an Approved Type YES  
make of fuses F.R. - MILAND OF  
CROCI & FARINELLI - MILAND, are all fuses labelled YES If circuit breakers are provided for the generators, at whatoverload do they operate about 150% of the rated current, and at what current do the reverse current protective  
devices operate 10% OF THE RATED CURRENT Cables, are they insulated and protected as per Rule YESif otherwise than as per Rule are they of an Approved Type V, state maximum fall of pressure between bus bars and any point  
under maximum load 3 volts. Are all ~~insulated~~ varnished cambric insulated cables sealed at the ends YESAre 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 ONLY FOR A  
SHORT LENGTH if so, are they adequately protected YES Statetype of cables (if in conduit this should also be stated) in machinery spaces LEAD COVERED, ARMoured OR  
STEEL WIRE BRAIDED, galleys LEAD COVERED, ARMoured OR  
STEEL WIRE BRAIDED  
and laundries LEAD COVERED  
STEEL WIRE BRAIDED State how the cables are supported or protected PERFORATED PLATES - METALLICCLIPS - WHERE CABLES EXPOSED TO RISK OF MECHANICAL DAMAGE PROTECTED BY STEEL  
SHEET PLATINGAre 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 holeseffectively bushed YES Retriggered STORES, are the cables and fittings as per Rule YESHave refrigeration fan motors been constructed under survey V and test certificates supplied VAre the motors accessible for maintenance at all times V







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.

ANSALDO S. A.  
CANTIERI NAVALI

Electrical Contractors.

Date 30-1-56

#### COMPASSES.

Have the compasses been adjusted under working conditions.

ANSALDO S. A.  
CANTIERI NAVALI

Builder's Signature.

Date 30-1-56

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

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

Plans. Are approved plans forwarded herewith. NO If not, state date of approval. 1-12-55

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

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

THE ELECTRICAL EQUIPMENT OF THIS VESSEL HAS BEEN CONSTRUCTED AND FITTED UNDER SPECIAL SURVEY AND IS IN ACCORDANCE WITH THE APPROVED PLANS, SECRETARY'S LETTERS AND RULE REQUIREMENTS. THE WORKMANSHIP AND MATERIALS ARE GOOD. UPON COMPLETION THE PLANT WAS TRIED UNDER WORKING CONDITION, THE INSULATION RESISTANCE TESTED AND ALL FOUND SATISFACTORY.

THE INSTALLATION IS ELEGIBLE, IN MY OPINION, FOR FULL CLASSIFICATION

Total Capacity of Generators. 1245 Kilowatts.

The amount of Fee 147.492.350  
When applied for, 6-2-1956  
The amount of Fee 147.492.338  
When received, 19  
CNR Fung --- 66 8376  
Travelling Expenses (if any) 41 33.486  
REV. TAX --- 12 13.924

Surveyor to Lloyd's Register of Shipping.

FRIDAY 16 MAR 1956

Committee's Minute

Assigned See Rpt. 4