

Rpt. 13.

No. 343/50

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 30-10 1951 When handed in at Local Office 2-11 1951 Received at London Office
 No. in Survey held at Arnhem Date, First Survey 25-5-51 Last Survey 2-11- 1951
 Reg. Book. (No. of Visits 9)
40167 on the MV "NIASSA"
 Built at Arnhem By whom built A.S.M. Yard No. 354 When built 11-51
 Owners PORTUGUESE MINISTRY OF COLONIES Port belonging to LAURENCO MARQUES, MOZAMBIQUE
 Installation fitted by A de Hoop NV When fitted 11-51
 Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. no E.S.D. no Gy.C. no Sub.Sig. no Radar no

Plans, have they been submitted and approved yes System of Distribution two wire insulated Voltage of Lighting 110
 Heating - Power 110 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency -

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 yes, and level compounded under working conditions yes, if not compound wound state distance between generators - and from switchboard - Are the generators arranged to run in parallel no, are shunt field regulators provided yes Is the compound winding connected to the negative or positive pole negative pole 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 yes and the results found as per Rule yes

Position of Generators E.R. floor level

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 top E.R. port side

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 Pyrite, 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 D.P. fuses & D.P.D.T. switch

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. switch & D.P. fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 1 ammeters 2 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided earth indicating lamps connected to "E" through D.P. fuses & P. push button

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes / KEMA approved make of fuses Weber & Hazemayer, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate -, and at what current do the reversed current protective devices operate -

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule yes

Cables, are they insulated and protected as per Rule 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 60%, are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets yes Are all paper insulated and varnished cambric insulated cables sealed at the ends - 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 yes or run in conduit - or of the "HR" type - State how the cables are supported or protected Machinery space: L.C. & M.W.B. cable clipped to perforated plating. Accommodation spaces: L.C. cable clipped to wood grounds

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 -

014364 - 014371 - 0301

Lloyd's Register
Foundation

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

The foregoing is a correct description.

Date 1 NOV 1951

COMPASSES.

Have the compasses been adjusted under working conditions.

Builder's Signature.

Date 3-11-51

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. 12-6-51

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

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

The electrical equipment of this vessel has been installed under special survey in conformity with the Society's Rules and Regulations & the approved plans.

The materials used are of a good quality and the design and workmanship are good. On completion the equipment has been tried out under full working conditions and found satisfactory.

This equipment is in my opinion suitable for a classed vessel.

Noted ADU 5.2.52

Total Capacity of Generators.....13.....Kilowatts.

The amount of Fee ...

... 182, = :

When applied for,

10/1 19 52

When received,

19.

Travelling Expenses (if any) £7. 0. 4. =

TUES. 26 FEB 1952

Committee's Minute

Assigned

See F.E. mch. 1908

Khall

H.V.O. SLUIS
Register of Shipping

Surveyor to Lloyd's Register of Shipping