

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 10.10.1953 When handed in at Local Office 10.10.1953 Port of TRIESTE

No. in Survey held at TRIESTE Date, First Survey See Rpt. 4n. Last Survey 1st Oct. 1953
Reg. Book. (No. of Visits 511)

40257 S on the Single Screw Motor Vessel "NAIKO" Tons Gross 511 Net 230

Built at TRIESTE By whom built CANTIERI RIUNITI DELL'ADRIATICO Yard No. 1784 When built 1953-10

Owners Republic of Indonesia Port belonging to Djakarta

Installation fitted by Cantieri Riuniti dell'Adriatico When fitted 1953

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. Yes 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 110 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

Are the generators arranged to run in parallel yes Is the compound winding connected to the negative or positive pole negative

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing none Have certificates of test for machines

under 100 kw. been supplied and the results found as per Rule yes Position of Generators

bottom platform main engine room, one port and one starboard side

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 bottom platform main

engine room port side forward

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 dead front type, 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 - 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 three pole linked circuit breaker with overload

current releases and reverse current release. Third pole used for equaliser

and the switch and fuse gear (or circuit breakers) for each outgoing circuit double pole switch with fuse on each pole.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 2

ammeters 3 voltmeters - 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 1 voltmeter

with two lamps and push button switch Preference Tripping, state if provided no, and tested -

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes

make of fuses F.E.R. Milan, are all fuses labelled yes If circuit breakers are provided for the generators, at what

overload do they operate 40%, and at what current do the reverse current protective

devices operate 10% 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 2.5 volts, 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 none, if so, are they adequately protected - State

type of cables (if in conduit this should also be stated) in machinery spaces lead covered and, galleys -do-

and laundries - steel braided State how the cables are supported or protected steel braided armoured

cables clipped as per Rules and through conduit as required.

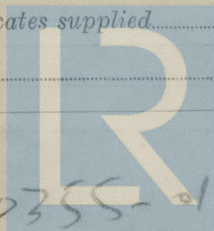
Are all lead sheaths, armouring and conduits effectually bonded and earthed yes Are all cables passing through decks and watertight

bulkheads provided with deck tubes or watertight glands yes, where unarmoured cables pass through beams, etc., are the holes,

effectively bushed yes domestic Refrigerated chambers, are the cables and fittings as per Rule yes

Have refrigeration fan motors been constructed under survey - and test certificates supplied -

Are the motors accessible for maintenance at all times -



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

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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.

CANTIERI RIUNITI DELL'ADRIATICO

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions yes

CANTIERI RIUNITI DELL'ADRIATICO

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 yes

If so, state name of vessel

"NATRA"-"NUKAHA"-"NURAGE"

Plans. Are approved plans forwarded herewith no

If not, state date of approval

22.12.1952

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 installation of this vessel has been fitted under Special Survey in accordance with or equivalent to Rule requirements and approved plans.

The workmanship and materials are good.

On completion the installation was tried under full working conditions and the insulation resistance tested, all with satisfactory results.

In my opinion the installation is eligible for full classification.

Noted 28 4/11/53

Total Capacity of Generators 50 V Kilowatts.

The amount of Fee ... £ 72 : 17 : 0

car fund

3, 13, 0

No rendered from
When applied for,
London 12.10.53.

When received,

19

Travelling Expenses (if any) £ 3 : 13 : 0

J. J. Wilson.
Surveyor to Lloyd's Register of Shipping.

TUESDAY 24 NOV 1953

Committee's Minute

Assigned

See Ref. 46



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