

Rpt. 13

No. F.E.M. 042

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 14-2-61 19 When handed in at Local Office 15-2- 1961 Port of Gdańsk

No. in Survey held at Gdynia Date, First Survey 30-11-60 Last Survey 28-1- 1961
Reg. Book (No. of Visits 16) Gross 677

on the M.V. " N A N A S " Tons { Gross 677

Built at Gdynia By whom built Stocznia im. Komuny Paryskiej w Gdyni Yard No. B471/9 When built 1961-1

Owners Indonesian Government Port belonging to Djakarta

Installation fitted by Shipyard Electrical Dept. When fitted 1961-1

Is vessel equipped for carrying Petroleum in bulk. no Is vessel equipped with D.F. yes E.S.D. yes Gy.C. no Sub.Sig. no Radar no

Plans, have they been submitted and approved. yes System of Distribution 2 wire D.C. Voltage of Lighting 220

Heating. - Power 220 D.C. or A.C. Lighting. - Power. - 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. Positive

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing. - Have certificates of test for machines

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

level Ford Port, For'd Centre and For'd Starboard

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 Engine room floor

level port forward 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 Dead front board, fittings mounted on insulated bases, 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 Triple pole circuit breakers with overboard and

reverse current relay.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. Rotary Switches and fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. yes Instruments on main switchboard. 7

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.

Voltmeter megohmmeter Preference Tripping, state if provided. yes, and tested. yes

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

make of fuses. Polish State Factories are all fuses labelled. yes If circuit breakers are provided for the generators, at what

overload do they operate. 20 sec delay at 210 AMP (115% FL), and at what current do the reverse current protective

devices operate. 20 Amps 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. less 6% 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. yes, if so, are they adequately protected. yes State

type of cables (if in conduit this should also be stated) in machinery spaces. L.C.W.B., galleys. L.C.W.B.

and laundries. - State how the cables are supported or protected. carried on cable trays

or securly clipped to steel supporting brackets. Cables running within cargo

spaces protected by sheet metal casings

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. yes

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

Are the motors accessible for maintenance at all times. yes



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Entered in Aalborg Rough Fee Book 14-7-60

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.

DYREKTOR STOCZNI

mgr inż. E. Zabiello

STOCZNIA Im. KOMUNY PARTYSKIEJ

Przedsiębiorstwo Państwowe
GDYNIA, ul. Czeszotkowska 8

Electrical Contractors.

Date 15-2-1961

COMPASSES

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

DYREKTOR STOCZNI

mgr inż. E. Zabiello

STOCZNIA Im. KOMUNY PARTYSKIEJ

Przedsiębiorstwo Państwowe
GDYNIA, ul. Czeszotkowska 8

Builder's Signature.

Date 15-2-1961

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. "RAMBUTAN", "DUKUH", "DUREN", "DUWET", "DJERUK", "LANGSAT", "LENGKENG"

Plans. Are approved plans forwarded herewith... no

If not, state date of approval. "MANGGA" 7-12-59

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, cables and fittings in this vessel have been fitted and installed under Special Survey in accordance with the Rules approved plans and Secretary's Letters.

The installation has been tested under working conditions and found satisfactory. The quality of material and workmanship are good. The installation in my opinion is such as could be classed with the Society in conjunction with the Main and Auxiliary Machinery.

Total Capacity of Generators... 126 Kilowatts.

The amount of Fee ... £97.-.6. :
& zŁ 5082

When applied for,
31-1-61
19

Travelling Expenses (if any) zŁ 570.-

When received,
19

N. Dienes
Surveyor to Lloyd's Register of Shipping
N. Dienes

Committee's Minute FRIDAY 12 MAY 1961

Assigned

See Rep 46

(The Surveyors are requested not to write on or below the space for Committee Minute.)

3m, 560-Translet

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