

24 OCT 1953

Rpt. 13.

No. 872e

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 5-10-1953 When handed in at Local Office  19 53 Port of GRONINGEN

No. in Survey held at MARTENSHOEK Date, First Survey 0-7-53 Last Survey 22-9-1953  
Reg. Book. (No. of Visits 9)

on the M.V. "BARAU" Tons { Gross 1,052.5  
Net 4.1

Built at Martenshoek By whom built Bodewes Senw. Yard No. 401 When built 1953

Owners REPUBLIC INDONESIA Port belonging to DJAKARTA

Installation fitted by JAN Bodewes, Hoogezand When fitted 1953

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 DC Power DC 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 (except shaft driven generator) and level compounded under working conditions yes

Are the generators arranged to run in parallel no Is the compound winding connected to the negative or positive pole negative pole

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 ER floor level Stbd 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 ER floor level 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 dead front type switchboard, 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 DP switch & DP fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit DPDT switch & DP fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 2 ammeters 2 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  Earth Testing, state means provided earth ind.

Lamps for each busbar system Preference Tripping, state if provided  and tested

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

make of fuses Weber & EMP (Eng.), 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 reverse current protective devices operate

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 < 4% 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 no, if so, are they adequately protected  State type of cables (if in conduit this should also be stated) in machinery spaces MICC and LC & MWB, galleys MICC and laundries  State how the cables are supported or protected Machinery spaces: CC or LC & MWB cable clipped to perforated plating

Are all lead sheaths, armoring 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

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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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.

Electro en Radio Technisch Bureau

*J. B. B. B.* N.V.  
Van Hoofdstr. 86, Hoogezand, Tel. 2127

Electrical Contractors. Date 8/10-53.

COMPASSES.

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

BODEWES' SCHEEPSWERVEN N.V.

*B. B. B.* Builder's Signature. Date 8/10-53

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 "BOGA" Stapel N° 26

Plans. Are approved plans forwarded herewith... no If not, state date of approval 23-1-53

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 installed under special survey in conformity with the Society's Rules and Regulations and in accordance with the Secretary's letter and 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 98 4/11/53*

Total Capacity of Generators 25  Kilowatts.

The amount of Fee ... fl. 275.- : When applied for, 9-10-1953

Travelling Expenses (if any) fl. 54.- : When received, 19  
*(incl. teleph. charges)*

*J. Molenaar*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute THURSDAY 12 NOV 1953

Assigned See Rpt. 46.

2m. 850.—Transfer. (MADE AND PRINTED IN ENGLAND.)  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

*X. B. B.*  
*2/10-53*  
*B*