

Rpt. 13.

No. 354909

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 20-9 1952 When handed in at Local Office 6-10 1952 Port of Rotterdam

No. in Survey held at Sliedrecht Date, First Survey 27 May '52 Last Survey 3rd Sept 1952
Reg. Book. (No. of Visits 9)

90253 on the M/V "Pattet" Tons { Gross 144.31
Net 15.55

Built at Sliedrecht By whom built de Klop Yard No. CO 182 When built 8/52

Owners Republik Indonesia Port belonging to Djakarta

Installation fitted by M.V. R.E.C. Th H Croon & Co When fitted 8/52

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 yes (Excess shaft driven generator) and level compounded under working conditions yes

Generators, are they compound wound —, 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

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 — Position of Generators E.R. floor level port 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 E.R. floor level stbd 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 D.P. switch & D.P. fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P.D.T. switch & D.P. 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 Hasemeyer & Weber, 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 M.V.C.C. & R.C.B. cables galleys M.V.C.C. and laundries — State how the cables are supported or protected machinery spaces R.C. or R.P. & M.V.C.C. cable clipped to perforated plating

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 —

Have refrigeration fan motors been constructed under survey — and test certificates supplied — Are the motors accessible for maintenance at all times —

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.

N.V. Rotterdamsche Electriciteits Mij
v/h H. CROON & Co.

[Signature]
DIR.

Electrical Contractors. Date

COMPASSES.

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

N.V. SCHEEPSBOUWWERF
EN MACHINEFABRIEK
"DE KLOP"

[Signature]

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. *"Bangor" de Klop N^o C.B. 180*

Plans. Are approved plans forwarded herewith. *no* If not, state date of approval. *24-12-51*

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 the Secretary's letter and the approved plan or equivalent thereto.
The materials used are of a good quality and the design and workmanship are good.
On completion the equipment has been tried and found satisfactory.
This equipment is in my opinion suitable for a classed vessel.*

Noted/ADM 26-11-52

Total Capacity of Generators. *22.5* Kilowatts.

The amount of Fee ... *3/5 =:* When applied for, *7/11 19 52*

Travelling Expenses (if any) *20,50:* When received, *19*

[Signature]
Surveyor to Lloyd's Register of Shipping.

Committee's Minute. *TUES. 6 JAN 1953*

Assigned. *See F.E. nuchy rpt.*

X. 14 Jan 1953

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



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