

25 MAY 1956

Rpt. 13.

No. 1269c.

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 6-4-1956 When handed in at Local Office 6-4-1956 Port of Groningen

No. in Survey held at Munkbush Date, First Survey 30-3-1955 Last Survey 16-3-1956

Reg. Book. "HOLMGALEN" (No. of Visits 17) Tons { Gross 484.62 Net 201.48

Built at Munkbush By whom built Poduus Scheep. Yard No. 415 When built 1956

Owners Yaku Shipping Co Ltd Port belonging to Wellington

Installation fitted by Jan Poduus NV When fitted 1956

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 yes

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

Heating 220 Power 220 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 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 — Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule yes Position of Generators 2nd 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 2nd floor level

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 circuit breaker (one pole used for equaliser) with DC trips in two poles and DC protection in positive pole

and the switch and fuse gear (or circuit breakers) for each outgoing circuit DC switches and DC fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 6

ammeters 5 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 earth indicating lamps

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 (Siemens)

make of fuses Siemens, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate 125% from 15 amperes

and at what current do the reverse current protective devices operate 15% 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 < 5% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends yes

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 HA type, galleys HA type

and laundries HA type State how the cables are supported or protected Mark space: cables to be supported by steel plates on wooden beams - Down space: cables to be supported on wooden beams - To prevent slipping to steel in plating & protection by steel iron cover

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 yes and test certificates supplied yes

Are the motors accessible for maintenance at all times yes





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

JAN BODEWES N.V.

Verl. Hoofdst. 86, Hoogezand, Tel. 2127

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions.

BODEWES SCHEEPSWERVEN N.V.

*J. Bodewes*

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. *no* If so, state name of vessel

Plans. Are approved plans forwarded herewith. *no* If not, state date of approval. *1-10-54*

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 accordance with the Society's Rules, Secretary's Letters and the approved plans or equivalent thereof. - 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.*

8m.12.51 - Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)

Total Capacity of Generators *116,5* Kilowatts.

The amount of Fee ... *fl. 655.-* When applied for, *13-5-1956*

Travelling Expenses (if any) *fl. 85.-* When received, *19*

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

Committee's Minute *FRIDAY 15 JUN 1956*

Assigned *See Rpt. 46.*



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