

25 MAY 1956

Rpt. 13.

No. 1269<sup>c</sup>

# 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 GroningenNo. in Survey held at Muntshoek Date, First Survey 30-3-1955 Last Survey 16-3-1956  
Reg. Book. (No. of Visits 17)on the "HOLMGLEN" Tons { Gross 484.62  
Net 201.48Built at Muntshoek By whom built Poduurs Scheep. Yard No. 415 When built 1956Owners Yen Shipping Co Ltd Port belonging to WellingtonInstallation fitted by Jan Poduurs NV When fitted 1956Is 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 yesPlans, have they been submitted and approved yes System of Distribution 2 wire insulated Voltage of Lighting 220Heating 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 yesAre the generators arranged to run in parallel yes Is the compound winding connected to the negative or positive pole negativeHave 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 levelis 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 levelare 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 end 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 Switchgearfor 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 position pole and the switch and fuse gear (or circuit breakers) for each outgoing circuit DP switches and DP fusesAre 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 (time) make of fuses Wika Hagerman, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate 125% from 15 min. delay, and at what current do the reverse current protective devices operate 15% Cables, are they insulated and protected as per Rule yesif 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 < 6% volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends yesAre 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 HR type, galleys HR typeand laundries HR type State how the cables are supported or protected Mark open: supported by perforated plating on surface - Deck space: supported by surface on wood girders - To prevent slipping to steel in plating & protection by steel iron coverAre 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 yesHave refrigeration fan motors been constructed under survey yes and test certificates supplied yesAre the motors accessible for maintenance at all times yes

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Lloyd's Register  
Foundation

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Battery on board.

Secondary Batteries, are they constructed, fitted and adequately ventilated as per Rule 405, state battery capacity in ampere hours 120. Where required to do so does it comply with 1948 International Convention —

*Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof.*

Searchlights, No. of 1, whether fixed or portable fixed, are they of the carbon arc or of the filament type filament

Heating and Cooking, is the general construction as per Rule....., are the frames effectually earthed....., are heaters in the accommodation of the convection type..... Motors, are all motors constructed and installed as per Rule and placed in well-ventilated

compartments in which inflammable gases cannot accumulate and protected from damage from water, steam and oil. 160

Are motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump

Have motors of 100 BHP and over been inspected by the Survivors during manufacture and testing

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule \_\_\_\_\_

Lightning Conductors, where required are they fitted as per Rule \_\_\_\_\_

Ships carrying Oil having a Flash Point of less than 150° F Have all the special requirements of the Rules for such ships been complied

Ships carrying Oil having a Flash Point of less than 150° F. Have all the special requirements of the Rules for such ships been complied

with....., are all fuses of an Approved Cartridge Type....., make of fuse..... Are the fittings for pump

rooms, tween deck spaces, etc., in accordance with the special requirements for such ships..... Are all cables lead covered as per Rule.....

E.S.D., if fitted state maker. 4740 location of transmitter and receiver 23-25

Spare Gear, if the vessel is for open sea service have spares been provided as per Rule and suitably stored in dry situations. *[Signature]*

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

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[illegible]

	CONDUCTORS.	MAXIMUM CURRENT	APPROX.
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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

JAN BOBEWIS N.V.

Verl. Hoofdst. 86, Hoogezand, Tel. 2127

Electrical Contractors.

Date

#### COMPASSES.

Have the compasses been adjusted under working conditions.

BODEWIS SCHEEPSWERVEN N.V.

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 Orders and the approved plans are equivalent thereto. - 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.*

Total Capacity of Generators *116,5* Kilowatts.

The amount of Fee ...

*fl. 655.-*

When applied for,

*13-5-1956*

When received,

19

Travelling Expenses (if any) *fl. 85.-*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRIDAY 15 JUN 1956

Assigned

*See Rpt. 4 C.*