

Rpt. 13.

No. 520^c

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 11 JAN 1951

Date of writing Report 31-12-1950 When handed in at Local Office 19 Port of GRONINGEN

No. in Survey held at WESTERBROEK Date, First Survey 31-10-50 Last Survey 22-12-1950
Reg. Book. (No. of Visits 7)on the M.V. WESTWARD 40
Built at WESTERBROEK By whom built MESSRS V.D. WERFF Yard No. 260 When built 1950
Owners S. Boudewijn Port belonging to Groningen

Installation fitted by MESSRS JAN BODEWES When fitted 1950

Is vessel equipped for carrying Petroleum in bulk NO Is vessel equipped with D.F. YES 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 insul. Voltage of Lighting 110

Heating - Power 110 D.C. or A.C., Lighting G.C. Power G.C. 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 no, and level compounded under working conditions -

if not compound wound state distance between generators - and from switchboard - Are the generators arranged to run in parallel no, are shunt field regulators provided yes Is the compound winding connected to the negative or positive pole -

Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing - Have certificates of test for machines under 100 kw. been supplied yes and the results found as per Rule yes

Position of Generators E.R. 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 E.R. above deep waterline

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 G.P. fuses and G.P. G.F. switch

and the switch and fuse gear (or circuit breakers) for each outgoing circuit G.P. fuses and G.P. switch

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule - Instruments on main switchboard 2
ammeters one voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided earth

indicating lamps connected to "E" through G.P. fuses & G.P. push button

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type KEMA approved type
make of fuses bleber, 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 reversed current protective devices operate -

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule yes

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 60%, are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets yes 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 -

Are cables in machinery spaces, galleys, laundries, etc., lead covered NO or run in conduit no or of the "HR" type yes State how the cables are supported or protected Machinery spaces: M.R. type cable

cable fitted on perforated iron plating. Cargo hold: M.R. type cable run in conduit. Accommodation spaces: M.R. type cable clipped to surface in work grounds

Are all lead sheaths, armouring and conduits effectually bonded and earthed - 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 -

002138-002150-01607

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PARTICULARS OF GENERATING PLANT.

GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

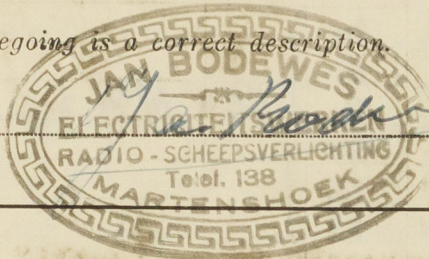
MOTOR CABLES.

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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.



Electrical Contractors.

Date 2-1-51

COMPASSES.

Have the compasses been adjusted under working conditions. yes

AP
H. J. M. C. J. J.

Builder's Signature.

Date 2-1-51

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. 24-12-50

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. yes

General Remarks. (State quality of workmanship, whether insulation tests, etc., have been made, 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 approved plan. The materials used are of good quality and the design and workmanship are good.

On completion the equipment was tried out under full working conditions and found satisfactory.

Notes end 19/1/51

Total Capacity of Generators. 10 ✓ Kilowatts.

The amount of Fee ... £ fl. 175.-

When applied for,
0.1-19.51

Travelling Expenses (if any) £ fl. 30.-

When received,
19

H. J. M. C. J. J. (H. J. M. C. J. J.)
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 23 JAN 1951

Assigned

See F.E. ncl. 4p.