

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 6-9- 1954 When handed in at Local Office 1954 Received at London Office 4-NOV 1954

No. in Survey held at Waterhuizen Date, First Survey 3-6-1954 Last Survey 3-9- 1954 Port of Groningen

Reg. Book. (No. of Visits 16)

on the ms. "ORANJEPOLDER" Tons { Gross 499.75 Net 230.33

Built at Waterhuizen By whom built Schm. Waterhuizen Yard No. 219 When built 1954

Owners Stoomvaart Maatschappij "Westpoolen" N.V. Port belonging to Rotterdam

Installation fitted by Mees. Pehels - Hoogerland When fitted 1954

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 no

Plans, have they been submitted and approved yes System of Distribution 2-wire insulated Voltage of Lighting 110

Heating 110 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, and level compounded under working conditions yes

Are the generators arranged to run in parallel 2 off 40 kw 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 2 P. from bulk

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 2 P. from bulk

against forward bulkhead

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 on board, 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 Triple pole C.B. with third pole as equaliser switch fitted with C.C. & woven brass screens

Harmon generator: 2 P. DT switch & 2 P. fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 2 P. switches and fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 4 ammeters 3 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

make of fuses Nibe & Beumeyer, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate 50%, and at what current do the reverse current protective devices operate 10-15% F.L.

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 < 6% 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 no, if so, are they adequately protected ✓ State type of cables (if in conduit this should also be stated) in machinery spaces HR type, galleys HR type and laundries ✓ State how the cables are supported or protected Mesh across: clipped to steel trays in pipe - Deck spaces: clipped to wood grating

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.

HERMAN G. EBEKELS N.V.

Electrical Contractors. Date

COMPASSES.

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

DEEPSWERF
ERHUIZEN
PATTIE

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 *2-7-54*

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 approved plans or equivalent thereto. - The material 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 our opinion suitable for a classed vessel.

*noted
1/12/54*

Total Capacity of Generators *100* ✓ Kilowatts.

The amount of Fee ... *fl. 627-* : When applied for, *10-9-1954*

Travelling Expenses (if any) *fl. 110.-* : When received, *10*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRIDAY 3 DEC 1954*

Assigned

3m.12.1. - Transfer. (MADE AND PRINTED IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

