

12 APR 1951

Rpt. 13.

No. 535 C

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

12 APR 1951

Date of writing Report 4-3 1951 When handed in at Local Office 7-3 1951 Port of Groningen  
 No. in Survey held at Foxhol Date, First Survey 10-1-51 Last Survey 23-2-1951  
 Reg. Book. (No. of Visits 7) Gross 376  
 Tons Net 171  
 on the M.V. "Pollux"

Built at Foxhol By whom built Messrs "Muller" Yard No. 88 When built 1951  
 Owners Gebrs. B. & K. Pronk Port belonging to Groningen  
 Installation fitted by Groeneveld van der Poll & Co. When fitted 1951

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 two wire insul Voltage of Lighting 48  
 Heating Power 48 D.C. or A.C., Lighting D.C. Power D.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 match 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. D.P. fuses and D.P. switch

and the switch and fuse gear (or circuit breakers) for each outgoing circuit. D.P. 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. 1 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 D.P. switch & D.P. fuses

Switches, Circuit Breakers and Fuses, are they as per Rule. yes, are the fuses an Approved Type. yes (KEMA approved)  
 make of fuses. 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 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. <6% 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. yes or run in conduit. —  
 or of the "HR" type. — State how the cables are supported or protected. Machinery spaces: h.l. & M.W.B.  
 cable clipped to perforated plating, large hold. h.l. & M.W.B. cable run in conduit  
 accommodation spaces: h.l. cable clipped to lower grommets

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. —

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Lloyd's Register  
Foundation



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.[illegible]



*The foregoing is a correct description.*

...Electrical Contractors. Date 28.3.51.

## COMPASSES.

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

18  
H. Scheppswert "FONHO"  
v. GER. MÜLLER  
Schollenweg 55 Finkhof

Builder's Signature. Date Feb. 3. 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 2-1-1951

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 constructed and installed under special survey in conformity with the Society's Rules and Regulations and in accordance with the approved plans.

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.

Noted end 9/4/51

Total Capacity of Generators.....7✓.....Kilowatts.

The amount of Fee ... \$ 123.00 : When applied for, 7 3 1957

Travelling Expenses (if any) \$ 54.00 : When received, \_\_\_\_\_ 19\_\_\_\_

Surveyor to Lloyd's Register of Shipping.

*Committee's Minute.*

FRI. 13 APR 1951

*Assigned.*

See F.E. maly. sp.