

Rpt. 13.

No. 31717 E

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 31 OCT 1949

Date of writing Report 24-9 1949 When handed in at Local Office 26-9 1949 Port of ROTTERDAM

No. in Survey held at ROTTERDAM Date, First Survey 9-2-49 Last Survey 29-9 1949
Reg. Book. (No. of Visits 6)

on the 55 "NELLIE VINKE" (AM II)

Tons { Gross 347.8
Net 30.4

Built at OSAKA AND B. DAM By whom built OSAKA IRON WORKS LTD. Yard No. When built 1937

Owners NEDERL. MAATS. VOOR WALVISCH VAART Port belonging to AMSTERDAM

Installation fitted by GRDENEVELD VAN DER POLL & CO'S When fitted 9-49

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 insulated system Voltage of Lighting 110

Heating — Power 110 D.C. or A.C., Lighting direct Power direct 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

if not compound wound state distance between generators — and from switchboard — Are the generators arranged to run

in parallel —, are shunt field regulators provided YES Is the compound winding connected to the negative or positive pole

negative pole Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing See general remarks Have certificates of

test for machines under 100 kw. been supplied — and the results found as per Rule —

Position of Generators K.P. floor level S.B. side

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 K.P. floor level near

generator

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 G.P. fuses and G.P. G.T. switch

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

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

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 lamps

connected to E through G.P. fuses

Switches, Circuit Breakers and Fuses, are they as per Rule YES, are the fuses an Approved Type YES

make of fuses Siemens 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 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 — 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 fitted on perforated plating on surface. Accommodation spaces: h.l. cable

clipped to surface on wood girders. On uncovered weather decks: h.l. & M.W.B. cable

run in heavy screw conduit.

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 —

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 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.

N.V. GROENEVELD VAN DER BOEK & CO.
ELECTRO-TECHNISCHE LAB.

Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions.

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. 2/10 '49

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. no see below

General Remarks. (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The ships concerned were partly built in Japan and completed in Holland with the exception of the generator which was left of the original installation, a quite new equipment has been installed in accordance with the approved plans.

The installation was carried out under my supervision in accordance with the 1949 Rules and the approved plans. The materials used are of good make and the design and the workmanship are good. Insulation and other tests have been carried out with satisfactory results in accordance with the Rule requirements.

On completion the equipment has been tried out under working conditions and found good.

This equipment is in my opinion suitable for a classed vessel.

Noted

P.S.

22/12/49.

Total Capacity of Generators. 15 Kilowatts.

The amount of Fee ... £ 263 : - : When applied for, 26/10 1949

Travelling Expenses (if any) £ 2.50 : When received, 19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute.

FRI. 30 DEC 1949

Assigned

See minute on
J.E. v.H.



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Foundation