

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

27 OCT 1952

Date of writing Report 4th Sept. 1952 When handed in at Local Office 4th Sept. 1952 Port of K I E L

No. in Survey held at Kiel Date, First Survey 13th June 52 Last Survey 19th July 1952
 Reg. Book. (No. of Visits 8)

90211 on the m.v. "HENRIK DANICA" Tons { Gross 492
 Net ✓

Built at Rendsburg By whom built Werft Nobiskrug GmbH Yard No. 546 When built 1952
 Owners H.H. Andersen & Co., Port belonging to Copenhagen

Installation fitted by Werft Nobiskrug - Rendsburg When fitted 1952

Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. yes E.S.D. yes Gy.C. - Sub.Sig. - Radar -

Plans, have they been submitted and approved yes System of Distribution 2 pole insulated Voltage of Lighting 220
 Heating 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, 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 no, are shunt field regulators provided yes Is the compound winding connected to the negative or positive pole
negative 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 Engine room (p.s.f. 50 KW)(p.s.aft 50 KW)(s.s.f. 8 KW)(s.s.aft 24 KW)(Centre line
aft - shaft driven gen. 8 KW)
 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 engine room (starbd. side)

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 material is used for the panels steel and aluminium, if of synthetic insulating
 material is it an Approved Type -, if of non insulating material (slate or marble) are all conducting parts insulated therefrom as
 per Rule yes Is the construction as per Rule, including locking of screws and nuts yes Description of Main Switchgear
 for each generator double pole overload circuit breakers on 50 KW machines and
double pole linked switch (with fuse in each pole) on 24 & 8 KW machines.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole linked switch, with fuse in each
pole.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 5
 ammeters 5 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 lamps

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 10 % (250 A), 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 4 %, 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 yes, if so, are they
 adequately protected yes Are cables in machinery spaces, galleys, laundries, etc., lead covered lead covered or run in conduit -
 or of the "HR" type - State how the cables are supported or protected braided on cable trays

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 -

The foregoing is a correct description.

W. Verff. N. Schickel G. m. b. H.
M. Fenzl v. Ritz

...Electrical Contractors.

Date 10. 9. 1952

Rendsburg

COMPASSES.

Have the compasses been adjusted under working conditions.

yes

Werft Nobiskrug G. m. b. H.

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..... **yes**

...If not, state date of approval

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

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

This electrical equipment has been satisfactorily installed on board the vessel, in accordance with the Rules, the approved plans and Secretary's letters. The workmanship and material used are good. The installation has been tested under working conditions and found in good order. The machinery of this vessel, is, in my opinion eligible for classification with the notation * LMC.

[illegible]

Total Capacity of Generators.....140.....Kilowatts.

The amount of Fee ...

980,00

When applied for,

19

Travelling Expenses (if any)

260.00

When received,

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 18 NOV 1952

Assigned

See F. E. Maby rpt.