

7 APR 1954

17 APR 1954

Rpt. 13.

No. 9412

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 1-4-1954 When handed in at Local Office 19 Port of Groningen

No. in Survey held at 10-2-54 Date, First Survey 10-2-54 Last Survey 26-3-1954  
Reg. Book. (No. of Visits 1)

on the m. "EIDERGEN"

Tons { Gross 498.41  
Net 317.31

Built at 10-2-54 By whom built J. G. J. & J. P. J. N. V. Yard No. 928 When built 1954

Owners. N.V. Zuid Schip. M. Port belonging to Rotterdam

Installation fitted by M. H. H. G. P. N. V. When fitted 1954

Is vessel equipped for carrying Petroleum in bulk. Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig. Radar

Plans, have they been submitted and approved. 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. Are turbine emergency governors fitted with a trip switch. Generators, are they compound wound, and level compounded under working conditions.

Are the generators arranged to run in parallel. Is the compound winding connected to the negative or positive pole.

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. Position of Generators. E.P. floor level.

is the ventilation in way of generators satisfactory. are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil. Switchboards, where are main switchboards placed. E.P. floor level.

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil. 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. Description of Main Switchgear for each generator and arrangement of equaliser switches. DPDT switch and DP fuses.

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

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. Instruments on main switchboard. 2 ammeters. 1 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. 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. are the fuses an Approved Type. make of fuses. W. & L. G. are all fuses labelled. If circuit breakers are provided for the generators, at what overload do they operate. and at what current do the reverse current protective devices operate.

Cables, are they insulated and protected as per Rule. 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. 5.6% volts. 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. are any cables laid under machines or floorplates. if so, are they adequately protected. State type of cables (if in conduit this should also be stated) in machinery spaces. H.P. type, galleys. H.P. type

and laundries. State how the cables are supported or protected. Mast. Space. Clipped to perforated plating on surface - from floor. Clipped to surface on wood grinders. Fasten. In brackets on weatherdeck.

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. where unarmoured cables pass through beams, etc., are the holes effectively bushed. Refrigerated chambers, are the cables and fittings as per Rule.

Have refrigeration fan motors been constructed under survey. and test certificates supplied.

Are the motors accessible for maintenance at all times.



Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory.....



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. Eekels*  
HERMAN G. EEKELS N.V.

Electrical Contractors.

Date

7 4 54

#### COMPASSES.

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

SCHEEPSWERVEN GEBR. VAN DIEPEN N.V.

*J. M. van Diepen*

Builder's Signature.

Date

1 April '54

Have the foregoing descriptions and schedules been verified and found correct..... *yes*

Is this installation a duplicate of a previous case..... *yes*

If so, state name of vessel.

*Allegre, Beckhuysen  
Dordrecht*

Plans. Are approved plans forwarded herewith..... *no*

If not, state date of approval.

*20-6-53*

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 and Regulations and the approved plans or equivalent thereof. 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. In my opinion this equipment is suitable for a class vessel.*

*Noted J.S.  
12/5/54*

Total Capacity of Generators..... *14* Kilowatts.

The amount of Fee ...

*£ 154.-*

When applied for,

*19 4 1954*

When received,

*19*

Travelling Expenses (if any) £

*5.2*

*[Signature]*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRIDAY 14 MAY 1954

Assigned

*See Rpt. 4c*