

Rpt. 13.

No. 45245

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19 When handed in at Local Office 19 Port of ROTTERDAM

No. in Survey held at DEEST Date, First Survey 14-1-58 Last Survey 14-4-58  
Reg. Book. (No. of Visits 4)

10/43958 on the "MARGRETHE ROBERT" Werf Tons { Gross 1112.01  
Net 577.67

Built at DEEST By whom built Scheepswerf Gebr. v.d. Yard No. 275 When built 1958

Owners R.A. Robert Port belonging to Copenhagen

Installation fitted by C. Alewijnse & Co. N.V. When fitted 1958

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 yes

Plans, have they been submitted and approved yes System of Distribution two wire insulated Voltage of Lighting 220

Heating -- Power 220 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 yes shaft and level compounded under working conditions yes

Are the generators arranged to run in parallel yes 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 Engine Room Port Stbd. and port aft.

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 platform portside

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 Triple pole C/B's fitted with O/L, Rev. Current and U.V. trips. Third pole as equaliser switch.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D/P switch 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 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 Voigt & Haeffner, 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 %

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 under 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 yes, if so, are they adequately protected yes State type of cables (if in conduit this should also be stated) in machinery spaces VC, LC, CB, VIR, HR, type galleys VIR, HR, type and laundries -- State how the cables are supported or protected

Machinery spaces: clipped to steel tray or in pipe.

Accomm. Spaces: clipped to wood grounds or in 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 --

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

Are the motors accessible for maintenance at all times --



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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.

C. ALWIJNSE & Co's  
ELECTROTECHN. BUREAU N.V.

Electrical Contractors.

Date

6 May '58

COMPASSES.

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

H. V. Scheepswerf GEBO. VAN DER WERF  
DEEST

Builder's Signature.

Date

6<sup>th</sup> May '58.

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 "SKERN"

Plans. Are approved plans forwarded herewith.....No If not, state date of approval Secret. Letter 23-7-57.

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 conformity with the Society's Rules and Regulations and in accordance with  
the Secretary's letter and the approved plans or equivalent thereto.

The materials used are of 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.

Total Capacity of Generators.....169.5 Kilowatts.

The amount of Fee ...

£ 742.50

When applied for,

13.5.1958

When received,

19

Travelling Expenses (if any) £

49.50

Surveyor to Lloyd's Register of Shipping.  
A.C. Bailey.

Committee's Minute FRIDAY 23 MAY 1958

Assigned

See Rpt. 1.

2m. 4.55 - Transfer. (MADE AND PRINTED IN ENGLAND)  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)



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