

Rpt. 13.

No. 38911C

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

31 JAN 1955

Date of writing Report 29th Dec. 1954 When handed in at Local Office 19 Port of Rotterdam

No. in Survey held at Zaltbommel Date, First Survey 16-2-53 Last Survey 7-12-1954  
Reg. Book. (No. of Visits 20)

90176s on the m.s. GILITANG Tons Gross 997.09 Net 454.35

Built at Zaltbommel By whom built N.V. Schipsn. "De Waal" Yard No. 650 When built 1954

Owners Perusaan Garam dan Soda Negeri Port belonging to Kalianget

Installation fitted by Herman G. Bekels N.V. When fitted 1954

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No 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 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, 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 Eng. rm. Port &amp; Stbd.

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 Eng. rm. Port.

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 Metal clad type, if of synthetic insulating

material is it an Approved Type - if of semi-insulating material (slate or marble) are the 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 Single pole contact circuit breaker with third pole as

equaliser connection fitted with O/L Rev. Cur. &amp; A.V. protection

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 10

ammeters 2 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

Said lamp Preference Tripping, state if provided - and tested

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

make of fuses Hagerman &amp; Weber, are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate 10-15% FL 10-15% FL, and at what current do the reverse current protective

devices operate 10-15% FL 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% 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 VIR HL type VCLCB, galleys VIRLCMB

and laundries - State how the cables are supported or protected

Machinery Spaces - Clipped to steel tang or in conduit

Accessories - " " " " 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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Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory..... *Yes.*



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. EEMER N.V.

Electrical Contractors.

Date 6th Jan '55.

#### COMPASSES.

Have the compasses been adjusted under working conditions. Yes

SCHIPSWERF "DE WAAL" N.V.

Builder's Signature.

Date 10-1-'55.

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 15 June 1954, 9 November 1954

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

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 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.

Total Capacity of Generators 268 Kilowatts.

The amount of Fee ... £ 000 - : When applied for, 28.1. 1955

Travelling Expenses (if any) £ 176 - : When received, 19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUESDAY 22 FEB 1955

Assigned See Rpt. 46.



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Foundation