

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

56 OCT 1955

Date of writing Report 6th Sept. 1955 When handed in at Local Office 19 Port of Rotterdam

No. in Survey held at Zaltbommel Date, First Survey 20-10-53 Last Survey 18-8-1955

Reg. Book. 33585 on the m/s "GILI GENTENG" (No. of Visits 23)

Tons { Gross 1012.30  
Net 450.14

Built at Zaltbommel By whom built N.V. Schipw. "De Waal" Yard No. 651 When built 1955

Owners Republiek Indonesia Port belonging to Kalisaget

Installation fitted by Herman C. Schels N.V. When fitted 1955

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 & 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. forward

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 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 contactor circuit breaker, with third pole as equaliser connection. Fitted with o/h, Rev. Am. & u.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 Earth lamps Preference Tripping, state if provided No, and tested —

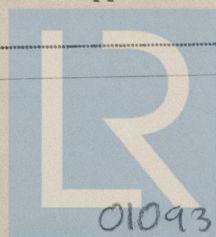
Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes make of fuses Hagerman & Weber, are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate -ve pole 100% with +ve pole 50% with time lag, and at what current do the reverse current protective devices operate 10-15% F.L. 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 V.R.H. type; V.C.C.B., galleys V.R.L.C.M.W.B. and laundries — State how the cables are supported or protected Machinery Spaces: Clipped to steel tray or in conduit. Accommod. " - 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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Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory..... Yes

## PARTICULARS OF GENERATING PLANT.

## GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Auxiliary Switchboards, etc.)

**DISTRIBUTION CABLES** (to Section-Boards and Distribution-Fuse-Boards, etc.).

## MOTOR CABLES.

NOTE.—Use Rpt. 13 Continuation Sheet if the above space is insufficient.



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 N.V.

Electrical Contractors. Date 19.9.55

#### COMPASSES.

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

SCHEEPSWERF DE WILHELM

Builder's Signature. Date 23.9.55

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 *m/s "Giliyang"*

Plans. Are approved plans forwarded herewith. *No* If not, state date of approval *16th March, 1955*

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 hereto.*

*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 *258* Kilowatts.

The amount of Fee ... *£ 888 =* When applied for, *3/10 1955*

Travelling Expenses (if any) *£ 240 =* When received, *19*

*achilles*  
Surveyor to Lloyd's Register of Shipping.

FRIDAY 25 NOV 1955

Committee's Minute.....

Assigned *See Rpt. 46*