

Rpt. 13.

No. 3564 - D

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 1st Feb. 1961 When handed in at Local Office 1961 Port of YOKOHAMA

No. in Survey held at Hakodate, Japan Date, First Survey 2-11-1960 Last Survey 25-1-61

Reg. Book. 92906 on the M.V. "GUNUNG GUNTUR" (No. of Visits 12) Tons Gross 4208.51 Net 2801.32

Built at Hakodate By whom built Hakodate Dock Co., Ltd. Yard No. When built 10-1960

Owners The Government of the Republic of Indonesia Port belonging to Djakarta

Installation fitted by Hakodate Dock Co., Ltd. When fitted 1 - 1961

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. Yes Sub.Sig. No Radar Yes

Plans, have they been submitted and approved Yes System of Distribution AC 440V 3 phase, 3 wire Voltage of Lighting AC 110V " "

Heating Power D.C. or A.C., Lighting 110V Power 440V If A.C. state frequency 60 cycles

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, and level compounded under working conditions

Are the generators arranged to run in parallel Yes 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 Yes Position of Generators Lower flat in Engine room, 2 port side, 1 starboard side.

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 Lower flat fwd. in Engine Room, (thwartships)

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 Synthetic Resin Bonded Board, if of synthetic insulating material is it an Approved Type Yes, 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 linked air-circuit-breaker with over current trips in three phases and reverse power relay.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Triple pole linked thermal type breaker with over current trips in three phase.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 11 ammeters 4 voltmeters 1 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 Triple pole linked air circuit breaker Yes

3 lamps System Preference Tripping, state if provided

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

make of fuses "Utsunomiya" (Cellolite) Yes, are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate 115% of rated current, and at what current do the reverse current protective-devices operate 15% of rated KW of generator Cables, are they insulated and protected as per Rule Yes

if otherwise than as per Rule are they of an Approved Type Yes, state maximum fall of pressure between bus bars and any point under maximum load 8 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 & SW Braided, galleys VRILC & SW Braided and laundries VRILC & SW State how the cables are supported or protected they are secured by metal clips on the metal hangers, where exposed to risk of mechanical damage, cables are protected by sheet iron plate.

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 Yes

Have refrigeration fan motors been constructed under survey No and test certificates supplied

Are the motors accessible for maintenance at all times 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.

K. Kawahigashi Electrical Contractors. Date 30th March 1961
The Hakodate Dock Co., Ltd., Technical Manager

COMPASSES.

Have the compasses been adjusted under working conditions.

Yes

K. Kawahigashi Builder's Signature. Date 30th March 1961
The Hakodate Dock Co., Ltd., Technical Manager

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. 9, 19, 20 September 1960 (Kob)

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, approved plans & Secretary's letters.

The materials & workmanship are satisfactory.

On completion the installation was operated under full load working conditions with satisfactory results & the insulation resistance of all circuits & apparatus measured and found satisfactory.

The equipment is, in my opinion, suitable for a Classed vessel.

Total Capacity of Generators 420 Kilowatts.

Construction ¥47,250.-

The amount of Fee ... £ :

Installation ¥157,500.-

Travelling Expenses (if any) £ NIL :

When applied for,
28-12-60 19

28-3-61

When received,

19

J. Winn
Surveyor to Lloyd's Register of Shipping.

For self & I. Ikehata

FRIDAY 16 JUN 1961

Committee's Minute

Assigned