

Rpt. 13

No. 16252.

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 14-6-1961. When handed in at Local Office 15-6-1961. Port of HONG KONG.

No. in Survey held at Hong Kong. Date, First Survey 25-4-61. Last Survey 20-5-1961. (No. of Visits 5.)

Reg. Book on the M.S. "KURWINA" Tons { Gross 227.02 Net 99.75

Built at Hong Kong. By whom built Taikoo Dockyard & Engineering Co. of Hong Kong Ltd. Yard No. 486 When built 5-1961.

Owners Burns Philp & Co. Ltd. Port belonging to Port Moresby.

Installation fitted by Taikoo Dockyard & Engineering Co. of Hong Kong Ltd. When fitted 5-1961.

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

Plans, have they been submitted and approved Yes. System of Distribution Two-Wire Parallel. Voltage of Lighting 110 V.

Heating -- Power 110 V. 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 No. 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 No.1 Generator, Engine Room Bottom Centre; No.2 Generator Engine Room Bottom 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 Bottom Starboard Aft.

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 "Tufnol" & Dead Front, 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 100 Amps. D.P.S.T. Rotary Switch & 75 Amp. Rewireable Fuses,

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 5 Off - 40 Amp. D.P.D.T. Rotary Switches With 20/35 Amp. Rewireable Fuses & 6 Off - 25 Amp. D.P.D.T. Rotary Switches With 15 Amp. Rewireable Fuses.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes. Instruments on main switchboard Two.

ammeters Two 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 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 "Artic", are all fuses labelled Yes. 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 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 4.2 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 No., if so, are they adequately protected -- State type of cables (if in conduit this should also be stated) in machinery spaces VCLCB, VIRLCA&B, galleys V.I.R.L.C. & B.

and laundries -- State how the cables are supported or protected 1. In Engine Room, Heavy Gauge Galvd. Steel Perforated Trays 2. Cargo Space & Fwd. End., H.G. Steel Conduits.

3. In Accommodation, H.G. Galvd. Steel Perforated Trays For Main Cables Run & Wood Grounds For Cabin Lights.

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 None. and test certificates supplied --

Are the motors accessible for maintenance at all times --



© 2021

Lloyd's Register

010846-010857-0215 1/2

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.

THE TAIKOO DOCKYARD & ENGINEERING COMPANY OF HONG KONG LIMITED

[Signature]
Manager

Electrical Contractors.

Date 24 JUN 1961

COMPASSES

Have the compasses been adjusted under working conditions Yes.

THE TAIKOO DOCKYARD & ENGINEERING COMPANY OF HONG KONG LIMITED

[Signature]
Manager

Builder's Signature.

Date 24 JUN 1961

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.V. "KALILI", Yard No. 485.

Plans. Are approved plans forwarded herewith Forwarded with sister ship "KALILI". If not, state date of approval 25-10-60.

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 approved plans and the Secretary's letters. The workmanship is good and the materials in accordance with Rule requirements.

The installation has been examined under full working conditions, tested as per Rule requirements, and found satisfactory.

Documents forwarded herewith

Makers Works Test Certificate for Cargo Oil Pump Motor.

Document forwarded with sister ship - M.V. "KALILI"

Copy of Ips. Rpt. 10 16611 - Engine Room Vent. Fan Motor.

Makers Works Test Certificates for Bilge & G.S. pump & Cargo Oil Pump Motors.

General Arrangement & Line Diagram of Electrical Circuits.

Total Capacity of Generators 15 Kilowatts.

The amount of Fee ... \$360.00 : When applied for, 23-5-1961.

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

J.L.V. Whittle. *[Signature]*
Surveyor to Lloyd's Register of Shipping

FRIDAY - 1 SEP 1961

Committee's Minute

Assigned See LA 4574

[Handwritten]
H. GMS
11.7.61

5m.3.58-Transfer. (MADE AND PRINTED IN ENGLAND)
(The Surveyors are requested not to write on or below the space for Committee Minute.)



© 2021

Lloyd's Register Foundation