

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 9-APR 1957

Date of writing Report 29th Mar. 19 57. When handed in at Local Office 29th Mar. 19 57. Port of Hong Kong.

No. in Survey held at Hong Kong. Date, First Survey 16-11-56. Last Survey 28th March, 19 57.

Reg. Book. N.E. 7 (No. of Visits 26.)

92185. on the M.S. "SILVER DRAGON" Tons { Gross 1049.34 Net 481.77

Built at Hong Kong. By whom built Cheoy Lee Shipyard Yard No. 652 When built 1957.

Owners Samik Trading Co. Port belonging to Inchon

Installation fitted by Cheoy Lee Shipyard. When fitted 1957.

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

Plans, have they been submitted and approved Yes. System of Distribution 2- Conductor Insulated Voltage of Lighting 230.

Heating 230 Power 230 D.C. of ~~XXX~~ Lighting - Power - 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 Application made to Manufacturers Position of Generators Engine Room One Port, One Starboard,

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 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 Sindanyo, 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 300 Amp. D.P.D.T. Quick Break Knife Switches With Shunt Field Regulator For Each Generator.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double Pole Quick Break Knife Swith With Fuse Cartridge On Positive &amp; Negative Poles.

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 Earth

Lamps Fitted. 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 S.M. Type. British Elect. Co. Ltd. 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 3 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends -

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 V.I.R.B. in conduit Or V.I.R.L.C. V.I.R.L.C. in Steel

and laundries State how the cables are supported or protected Steel Perforated Trays &amp; Brass

Crips For Engine Room &amp; Accommodation Lighting. Conduit In Cargo Hold &amp; On Exposed Cargo

Deck.

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 Yes.



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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.

CHEOY LEE SHIPYARD

*[Signature]* Electrical Contractors. Date 3 APR 1957  
 Manager

COMPASSES.

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

CHEOY LEE SHIPYARD

*[Signature]* Builder's Signature. Date 3 APR 1957  
 Manager

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 "KYUNG NAM"

Plans. Are approved plans forwarded herewith - If not, state date of approval 21-1-57.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith... See below. Application made for remaining certificates.

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 letter.

The workmanship and materials are good.

The complete installation has been tested in accordance with Rule requirements, found satisfactory, and in my opinion is eligible to be classed as contemplated.

Documents forwarded herewith Test sheets on Windlass, Steering Gear, O.F. Transfer Pump, Sanitary Pump, Fresh Water Pump motors.

Total Capacity of Generators 120 Kilowatts.

The amount of Fee ... \$1,920.00 : When applied for, 28/3/ 19 57.

Travelling Expenses (if any) \$ 35.00 : When received, 19

*[Signature]*  
 James A. Anderson.  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRIDAY 23 AUG 1957

Assigned See Rpt 46

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

