

11 AUG 1956

Rpt. 13.

No. 3798

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19 When handed in at Local Office AUG - 4, 1956 19 Port of Kobe

No. in Survey held at Mukaishima, Japan Date, First Survey 10, Dec. 1955 Last Survey 7, March 1956

Reg. Book. (No. of Visits 10)

on the Steel Single Screw Steamer "KONDOR"

Built at Mukaishima, Japan By whom built Hitachi S.B. & E. Co., Ltd., Mukaishima Shipyard Yard No. 3756 When built 3 Mo. 1956

Owners v/o Sudimport, Moscow, U.S.S.R. Port belonging to Petropavlovsk

Installation fitted by Hitachi S.B. & E. Co., Ltd., Mukaishima Shipyard When fitted 3 Mo. 1956

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 D.C. Voltage of Lighting 110

Heating 110 Power 110 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 None Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule Yes Position of Generators Starboard side on engine room flat

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 Starboard aft on engine room flat

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 Bakelite, 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

For 10 K.W. Generator; 1, 150A Double pole knife switch and 125A fuse on each pole.

For 5 K.W. Generator; 1, 60A Double pole knife switch and 60A fuse on each pole.

and the switch and fuse gear (except breakers) for each outgoing circuit

7, 60A Double pole change over switches with fuses 15, 20, 30, 10, 50, 40, 60 Amp. each

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2

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 - Earth Testing, state means provided

1, tungsten filament 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

Utsunomiya Electric Works, 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 - 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 Lead sheathed & braided V.I.R., galleys. Lead sheathed & braided V.I.R.

and laundries. State how the cables are supported or protected

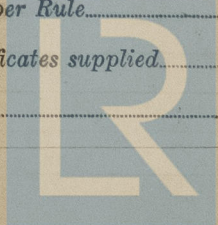
Groups of cable are supported on metal hanger and or backed by perforated steel plate.

Lead through gas pipe on 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 -



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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.

J. Yuba

Electrical Contractors.

Date 7th June 1956

COMPASSES.

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

Yes

J. Yuba

Builder's Signature.

Date 7th June 1956

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.....

If not, state date of approval.....

Kob 13-10-55

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

YKA cert.No.2384
YKA Cert.No.M-2272

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.).....

The Electrical installation of this ship has been constructed under Special Survey in accordance with the Rules, Approved plans and Secretary's letters.

The material and workmanship are satisfactory.

The generators and motor etc. have been examined under full loading condition to Rules requirements and found satisfactory.

Total Capacity of Generators..... 15 Kilowatts.

The amount of Fee ...

£30.000

When applied for,
JUN - 5, 1956

Travelling Expenses (if any) £

See Rpt. 1

When received,
19

R. Lamakue

Surveyor to Lloyd's Register of Shipping.

FRIDAY 12 OCT 1956

Committee's Minute.....

Assigned.....

See Rpt. 4