

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 21 MAY 1951

Date of writing Report March 23, 1951. When handed in at Local Office 19 Port of KOBE JAPAN.

No. in Survey held at INNOSHIMA Date, First Survey FEB. 11, 1951. Last Survey MARCH 6, 1951.  
Reg. Book. (No. of Visits 4) 1843 20

on the STEEL SINGLE SCREW STEAMER "FUKUEI MARU"

Tons { Gross 1868.68  
Net 1094.18

Built at OSAKA. By whom built OSAKA ZOSEN K.K. Yard No. 5. When built DEC. 1938.

Owners NITTO MERCHANT SHIP CO. Port belonging to TOKYO

Installation fitted by HITACHI SHIPBUILDING &amp; ENGINEERING CO. INNOSHIMA SHIPYARD When fitted FEB. 1951

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

Plans, have they been submitted and approved YES System of Distribution TWO-WIRE Voltage of Lighting DC 100V

Heating / Power DC 100V D.C. or A.C., 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 / SET, and level compounded under working conditions /

if not compound wound state distance between generators / and from switchboard / Are the generators arranged to run in parallel /, are shunt field regulators provided YES Is the compound winding connected to the negative or positive pole

NEGATIVE POLE Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing / Have certificates of test for machines under 100 kw. been supplied NO and the results found as per Rule /

Position of Generators PORTSIDE IN ENGINE ROOM SECOND DECK.

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 PORTSIDE IN ENG. RM. SECOND D.K.

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 YES 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 K.S. 200A x 1

and the switch and fuse gear (or circuit breakers) for each outgoing circuit K.S. AND FUSE 100A x 1 60A x 5.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard 200A x 1 ammeters 150V x 1 voltmeters / synchronising devices. For compound machines in parallel are the ammeters and reversed current

protection devices connected on the pole opposite to the equaliser connection / Earth Testing, state means provided EARTH LAMP 500V MEGGER TEST.

Switches, Circuit Breakers and Fuses, are they as per Rule YES, are the fuses an Approved Type NO

are all fuses labelled YES If circuit breakers are provided for the generators, at what overload do they operate 130 A, and at what current do the reversed current protective devices operate /

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule YES

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 3V, are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets YES 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 / Are cables in machinery spaces, galleys, laundries, etc., lead covered YES or run in conduit YES or of the "HR" type / State how the cables are supported or protected ARE HANGED WITH METAL BAND

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



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Foundation



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.

Electrical Contractors.

Date

#### COMPASSES.

Have the compasses been adjusted under working conditions

Builder's Signature.

Date

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

30-1-50

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

✓

General Remarks. (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

SEE RPT. NO. 9

Notes sent 20/7/51

Total Capacity of Generators

13

Kilowatts.

The amount of Fee ...

£

:

When applied for,

19

When received,

19

Travelling Expenses (if any) £

:

:

Mr. Lamakura

Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 24 JUL 1951

Assigned

See F.E. mchly rpt