

REPORT ON ELECTRIC FITTINGS.

No. 6498

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report *16th April 1929* When handed in at Local Office

Received at London Office

21 MAY 1929

No. in Survey held at *Osaka*Date, First Survey *25th March 29* Last Survey *18th April 1929*

Reg. Book.

(Number of Visits *5*)on the *Single screw steamer "KANSEISHI MARU"*Built at *Osaka*By whom built *Osaka Iron Works Ltd* Yard No. *1125*Tons { Gross *4804.78*
Net *2730.56*When built *1929*Owners *Dairen Kisen Kabushiki Kaisha* Port belonging to *Dairen*Electric Light Installation fitted by *Osaka Iron Works Ltd*Contract No. *1125* When fitted *1929*System of Distribution *Two wire system.*Pressure of supply for Lighting *100*volts, Heating ☒volts, Power ☒*100*

volts.

Direct or Alternating Current, Lighting *D.C.*Power *D.C.*If alternating current system, state frequency of periods per second ☒Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off *yes.*Generators, do they comply with the requirements regarding overload *yes.*, are they compound wound *yes.*are they over compounded 5 per cent. *no.*, if not compound wound state distance between each generator ☒Where more than one generator is fitted are they arranged to run in parallel ☒, is an adjustable regulating resistance fitted in series with each shunt field *yes.*Are all terminals accessible and clearly marked *yes.*, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited *yes.*Are the lubricating arrangements of the generators as per Rule *yes.*Position of Generators *Starboard side engine room.*is the ventilation in way of the generators satisfactory *yes.*, are they clear of all inflammable material *yes.*if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators and ☒, are the generators protected from mechanical injury and damage from water, steam or oil *yes.*are their axis of rotation fore and aft *yes.*Earthing, are the bedplates and frames of the generating plant efficiently earthed *yes.*their respective generators in metallic contact *yes.* are the prime movers andMain Switch Boards, where placed *in Engine Room Starboard side.*If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard ☒Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes *yes.*are they protected from mechanical injury and damage from water, steam or oil *yes.*, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards ☒ and ☒are they constructed wholly of durable, incombustible non-absorbent materials *yes.*, is all insulation of high dielectric strength and of permanently high insulation resistance *yes.*if semi-insulating material is used, are all conducting parts connected to one pole insulated from the slab with mica or micanite and the slab similarly insulated from its framework *yes.*, and is the frame effectively earthed *yes.*Are the following fittings as per Rule, viz.:— spacing or shielding of live parts *yes.*, accessibility of all parts *yes.*, absence of fuses on back of board *yes.*, proportion of omnibus bars *yes.*individual fuses to voltmeter, pilot or earth lamp *yes.*, connections of switches *yes.*Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches *one double pole**main switch, feeder switch, wireless, cargo light, engine room, accommodation, fan motor*Instruments on main switchboard *one* ammeters *one* voltmeters ☒

synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system *Ground detector*Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules *yes.*Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule *yes.*

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W1314-0184 1/2

All Conductors are of annealed copper conforming to British Standard Specification No. 7.

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

Electrical Engineers.

Date

COMPASSES.

Distance between electric generators or motors and standard compass 20'

Distance between electric generators or motors and steering compass 50'

The nearest cables to the compasses are as follows:—

A cable carrying 6 Ampères 10 feet from standard compass feet from steering compass.

A cable carrying 10 Ampères feet from standard compass 60 feet from steering compass.

A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power yes.

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted yes.

The maximum deviation due to electric currents was found to be Two degrees on each course in the case of the standard compass, and Two degrees on each course in the case of the steering compass.

Builder's Signature.

Date 14.4.29

Is this installation a duplicate of a previous case yes If so, state name of vessel "BUSUN MARU"

General Remarks (State quality of workmanship, opinions as to class, &c.) The electrical installation of this vessel has been fitted under special survey in accordance with the requirements of the Rules, and on completion the installation was tested under full working conditions and found to be in order and, in my opinion, is eligible to have the record of ELECTRIC LIGHT.

It is submitted that
this vessel is eligible for
THE RECORD. — ELEC. LIGHT.

JRM

23.5.29

Total Capacity of Generators 12 Kilowatts

The amount of Fee ...

£ 196.00

When applied for,

17/4/1929

Travelling Expenses (if any) See Hull Rpt.

When received,

28.6.29

H. F. Garnett

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec. Light



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