

propeller
en/prop

st. 13.

No. 44066

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 21-10-1924 When handed in at Local Office 27-10-1924 Port of GLASGOW.

Survey held at GRANGEMOUTH, Date, First Survey 14.8.24 Last Survey 7.10.1924
Reg. Book. (Number of Visits 2)

on the S. S. "KONINI" Tons { Gross 1420
Net

built at GRANGEMOUTH. By whom built THE GRANGEMOUTH D^Y Yard No. 407 When built 1924.

owners THE UNION STEAM SHIP CO LTD. Port belonging to DUNEDIN N. Z

Electric Light Installation fitted by THE GRANGEMOUTH DOCKYARD CO LTD Contract No. 407 When fitted 1924.

System of Distribution TWO WIRE. ✓
Pressure of supply for Lighting 110 ✓ volts, Heating ✓ volts, Power ✓ volts.

Direct or Alternating Current, Lighting DIRECT. ✓ Power ✓

alternating current system, state frequency of periods per second ✓

as 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.

they over compounded 5 per cent. ONE GENERATOR, 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

ries 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,

short circuited YES Are the lubricating arrangements of the generators as per Rule YES

Position of Generators ENGINE ROOM STARTING PLATFORM. STARRD SIDE.

the ventilation in way of the generators satisfactory YES, are they clear of all inflammable material YES

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 are the prime movers and

their respective generators in metallic contact YES.

Main Switch Boards, where placed NEAR GENERATOR.

If the generators and main switchboard are not placed in the same compartment, is each generator provided with

fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard IN SAME COMP.

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

D.P. MAIN SWITCH & FUSES. S.P. SWITCHES & D.P. FUSES FOR
OUTGOING CIRCUITS.

Instruments on main switchboard 1 ammeters 1 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

EARTH LAMPS.

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.

ipping.



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Foundation

W687-016012

[illegible]

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.

FOR THE BRANSMOUTH DUCKYARD CO., LTD.

Electrical Engineers.

Date 22 Oct 1924

Aspenmiller

COMPASSES.

Distance between electric generators or motors and standard compass

160 ft.

Distance between electric generators or motors and steering compass

150 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 6.5 Ampères 6.10 feet from standard compass 8.0 feet from steering compass.

A cable carrying .4 Ampères in feet from standard compass in 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 nil degrees on any course in the case of the standard compass, and nil degrees on any course in the case of the steering compass.

FOR THE BRANSMOUTH DUCKYARD CO., LTD.

Aspenmiller

Builder's Signature.

Date 22 Oct 1924.

Is this installation a duplicate of a previous case no. If so, state name of vessel.

General Remarks (State quality of workmanship, opinions as to class, &c.)

This installation has been fitted on board under special survey. Tested under full working conditions and found satisfactory. The workmanship was found to be good and sound.

It is submitted that this vessel is eligible for THE RECORD. Elec. light.

W.D.
30/10/24

Total Capacity of Generators 6 Kilowatts

The amount of Fee ... £ 6.0.0 : 17.10.24

Travelling Expenses (if any) £ 8.9 : 22.10.24

Committee's Minute

GLASGOW 28 OCT 1924

Assigned

Elec. Light

W.D.

J. Shankin
Surveyor to Lloyd's Register of Shipping.



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