

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 30.3.1925 When handed in at Local Office 30.3.1925 Port of GLASGOW

1 APR 1925

No. in Survey held at CLYDEBANK. Date, First Survey 1.12.24 Last Survey 2.3.1925
Reg. Book. 90297 on the "S.S. PRINCESS MARGUERITE" (Number of Visits 2)

Tons { Gross 3559
Net 2719

Built at CLYDEBANK. By whom built JOHN BROWN & CO Yard No. 505 When built 1925.

Owners THE CANADIAN PACIFIC RLY CO Port belonging to Victoria B.C.

Electric Light Installation fitted by MESSRS JOHN BROWN & CO LTD Contract No. 505 When fitted 1925.

System of Distribution TWO WIRE INSULATED

Pressure of supply for Lighting 110 volts, Heating 110 volts, Power 110 volts.

Direct or Alternating Current, Lighting DIRECT CURRENT Power DIRECT CURRENT

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. YES, if not compound wound state distance between each generator

Where more than one generator is fitted are they arranged to run in parallel No, 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 AFT END OF ENGINE ROOM (HOLD LEVEL)

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 are the prime movers and their respective generators in metallic contact YES

Main Switch Boards, where placed AFT END OF ENGINE ROOM STARBOARD (ORLOP DECK LEVEL)

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 EACH GENERATOR IS CONTROLLED BY A D.P. SWITCH AND D.P. FUSES. ONE OF THE SWITCHES BEING ARRANGED WITH A DOUBLE THROW TO ENABLE SUPPLY BEING TAKEN FROM SHORE. EACH BRANCH CIRCUIT IS PROTECTED BY D.P. FUSES AND A S.P. SELECTOR SWITCH GIVING SUPPLY FROM EITHER GENERATOR.

Instruments on main switchboard 3 ammeters 3 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 TWO LAMPS CONNECTED IN SERIES, WITH SWITCHES, AND WIRE BETWEEN LAMPS CONNECTED TO EARTH.

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



W1224-0253 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.

John Brown & Company, Limited.

Electrical Engineers.

Date

J. Henderson
Civil Engineer

COMPASSES.

Distance between electric generators or motors and standard compass 25 FEET

Distance between electric generators or motors and steering compass 30 FEET

The nearest cables to the compasses are as follows:—

A cable carrying 60 Ampères 5 feet from standard compass 5 feet from steering compass.

A cable carrying 17.5 Ampères 5 feet from standard compass 5 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 _____ course in the case of the standard

compass, and NIL degrees on _____ course in the case of the steering compass.

John Brown & Company, Limited.

Builder's Signature.

Date

J. Henderson
Civil Engineer

Is this installation a duplicate of a previous case YES If so, state name of vessel "PRINCESS KATHLEEN"
(44283)

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
CLASSIFICATION.

Elec. Light
N.A.
1/4/25.

Total Capacity of Generators 180 Kilowatts

The amount of Fee £ 35-10-0 17:3:25

Travelling Expenses (if any) £ : : 1/4/25

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

Committee's Minute

GLASGOW 31 MAR 1925

Assigned Elec. Light

A.L.
30/3/25

Im. 9.21.—U. ansfer.
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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 Foundation