

Rpt. 13.

No. 39417

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

22 NOV 1928

Date of writing Report

19

When handed in at Local Office

Nov 19

1028 Port of

Hull.

No. in Survey held at

Hull.

Date, First Survey

8 Nov

Last Survey

14 Nov 1928

Reg. Book.

61506

on the Steam Trawler "KINGSTON BERYL"

(Number of Visits)

Tons { Gross 352

Net 150

Built at

Beverly

By whom built

Cook, Nelson & Hemmings

Yard No.

506

When built

1928

Owners

Kingston Steam Trawling Co Ltd

Port belonging to

Hull.

Electric Light Installation fitted by

Wm Broady & Sons Ltd

Contract No.

When fitted

System of Distribution

Two wire

Pressure of supply for Lighting

100

volts, Heating

✓

volts, Power

✓

volts.

Direct or Alternating Current, Lighting

Direct Current

Power

✓

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 rating

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

✓

, is an adjustable regulating resistance fitted in series with each shunt field

Are all terminals accessible, clearly marked, and furnished with sockets

Yes

, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched

Yes

Are the lubricating arrangements of the generators as per Rule

Yes

Position of Generators

Starboard side of 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 axes 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. Direct coupled.

Main Switch Boards, where placed

Beside generator in engine room

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, non-ignitable 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 insulated from the slab

Yes

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework

and is the frame effectively earthed

Yes

Are the fittings as per Rule regarding :— 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

Main circuits controlled by S.P. switches & protected by S.P. fuses.

Instruments on main switchboard

one

ammeters

one

volts

✓

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

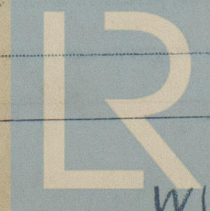
Earth lamps, with separate switches

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules

Yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule

Yes



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Lloyd's Register

W1197 01412

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.

WM. BROADY & SONS,
ENGLISH STREET,
LONDON.

Electrical Engineers.

Date 6th Oct. 1928.

COMPASSES.

Distance between electric generators or motors and standard compass 68 feet

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

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

A cable carrying 5 Ampères To feet from standard compass 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 no degrees on any course in the case of the standard compass, and no degrees on any course in the case of the steering compass.

COOK, WELTON & GEMMELL, LTD.,

Alfred Lividale

Builder's Signature.

Date 9/11/1928

Secretary & Director.

Is this installation a duplicate of a previous case Yes. If so, state name of vessel Kingston Jasper

General Remarks (State quality of workmanship, opinions as to class, etc.) The electrical installation

of this vessel has been fitted on board under special survey, tried under full working conditions and found in good order. It is eligible in my opinion to have record of Electric Light

It is submitted that
this vessel is eligible for
THE RECORD

Elec. Light
J.S.P.

23/11/28.

J.P.

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 : When applied for, 21 Nov. 28.

Travelling Expenses (if any) £ : : When received, 1.1.29

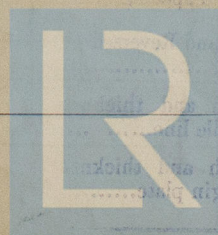
John H. Mackintosh
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 27 NOV 1928

Assigned

Elec Light



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Foundation