

Rpt. 13.

No. 35095

REPORT ON ELECTRIC FITTINGS

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

SAT. APR 25 1924

Date of writing Report April 2nd 1924 / When handed in at Local Office April 2nd 1924. Port of Hull.No. in Survey held at Hull & Selby. Date, First Survey Mar 1st Last Survey March 27 1924.
Reg. Book. (Number of Visits.....3.....)

on the S.S. SALVAGE PRINCE

Tons { Gross 183.54.
Net 60.5.

Built at Selby. By whom built Cochrane & Sons Ltd. Yard No. 493. When built

Owners The Ryke Towing & Salvage Co Ltd. Port belonging to London

Electric Light Installation fitted by William Broady & Son Contract No. When fitted 18/3/24

System of Distribution

Distribution System Two wire system.

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

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 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 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 Forward Bulkhead of 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, incombustible non-absorbent materials, is all insulation of high dielectric strength and of permanently high insulation resistance, 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, 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 2000 Sq. In. 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 3 Circuits controlled by S. P. 302 Switches & Protected by D. P. 302 Fuses.

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

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

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

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.

J. Buck Electrical Engineers.

Date *21/3/24*

COMPASSES.

Distance between electric generators or motors and standard compass

80 ft.

Distance between electric generators or motors and steering compass

55 ft.

The nearest cables to the compasses are as follows:—

A cable carrying *6* Ampères *7* feet from standard compass *8* feet from steering compass.

A cable carrying *—* Ampères *—* 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 *0* degrees on *any* course in the case of the standard compass, and *0* degrees on *any* course in the case of the steering compass.

FOR COCHRANE & SONS, LTD.

D. H. McKinnon

DIRECTOR

Builder's Signature.

Date

Is this installation a duplicate of a previous case ☒ If so, state name of vessel ☒

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

This electrical installation has been fitted on board under special survey & the materials & workmanship are good.

It has been tried under full working conditions & found in good order

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

J. W. D.
7/4/24

Total Capacity of Generators *3.5* Kilowatts

The amount of Fee ... £ *5 : 0* :

When applied for,
2/4/1924

Travelling Expenses (if any) £ :

When received,
4. 4. 1924

John H. McKinnon

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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Foundation