

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

29 OCT 1926

Date of writing Report 22-10-1926 When handed in at Local Office 26-10-1926 Port of Middlesbrough

No. in Survey held at Middlesbrough Date, First Survey Last Survey 11-10-1926
(Number of Visits.....)

Reg. Book. 88453 on the S.S. "CHEVYCHASE"
SUPP.

Tons { Gross 2719
Net 1642

Built at South Bank By whom built Smiths Docks 6th Lth Yard No. 818 When built 1926

Owners Hill Steam Shipping Co. Ltd. Port belonging to Newcastle
(witherington & murphy)

Electric Light Installation fitted by Richard Pickering & Son Contract No. ✓ When fitted 1926

System of Distribution Double wire

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

Direct or Alternating Current, Lighting Direct 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 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 are the prime movers and

their respective generators in metallic contact Yes

Main Switch Boards, where placed Fore end engineers Store

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, and is the

frame effectively earthed Yes Are the following fittings as per Rule, viz. :— spacing or shielding of live parts

, accessibility of all parts Yes, absence of fuses on back of board, proportion of omnibus

bars, individual fuses to voltmeter, pilot or earth lamp Yes, connections of switches

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches

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 2 Lamp in

series across main fuses 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



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W437-0141 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.

RICHARD PICKERSGILL & SONS, LTD

Electrical Engineers.

Date 22/10/26

COMPASSES.

Distance between electric generators or motors and standard compass 140 ft

Distance between electric generators or motors and steering compass 130 ft

The nearest cables to the compasses are as follows:—

A cable carrying 35 Ampères 10 feet from standard compass 6 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 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 SMITH'S DOCK COMPANY, LTD

J W Cairns

Builder's Signature.

Date 25 Oct 1926

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 in accordance with the Rules, is of good material & workmanship and on completion was examined under full working conditions and found satisfactory

It is submitted that this record is eligible for THE RECORD.

Elec. Light. 20/10/26

Total Capacity of Generators 6 Kilowatts

The amount of Fee ... £ 6 : 0 : 9.10.26

Travelling Expenses (if any) £ : : 16.10.26

A. W. Dyford

Surveyor to Lloyd's Register

Committee's Minute

Assigned

Elec Light



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