

Rpt. 13.

No. 46050

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

10 NOV 1926

Date of writing Report 20.10.1926 When handed in at Local Office 8.11.1926 Port of GLASGOW.

No. in Survey held at GLASGOW. Date, First Survey 2nd June Last Survey 6th Octr 1926
Reg. Book. 80721. on the S. S. "PULPIT POINT" (Number of Visits 10)

Built at PORT GLASGOW. By whom built MESSRS LITHGOW'S LTD Yard No. 492. When built 1926.

Owners MESSRS THE VACUUM OIL CO LTD Port belonging to

Electric Light Installation fitted by MESSRS THE SUNDERLAND FORGED ENGRG CO Contract No. 492. When fitted 1926.

System of Distribution

DOUBLE-WIRE

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

Direct or Alternating Current, Lighting DIRECT Power DIRECT

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

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

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 in the main switchboard

Switchboards, are they placed in accessible positions, free from inflammable gases and oil 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 200 AMP DP O/L Circuit

BREAKER FOR GENERATORS

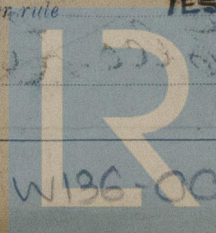
Instruments on main switchboard 2 ammeters 2 voltmeters synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system EARTH LAMPS

CONNECTED DIRECT TO EARTH THROUGH SWITCHES & FUSES

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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If portable lamps for use in dangerous spaces are supplied are they of a type approved by the HSE?

| MOTOR CONDUCTORS. | | | | | | | | | |
|-------------------|---------------------------|----------------|--|------------------------|-----------|---------------------------------|--|----------------|--------------------------|
| Ref. No. | DESCRIPTION. | No. of Motors. | Effective Area of each Conductor. Sq. Ins. | COMPOSITION OF STRAND. | | Total Maximum Current. Amperes. | Approximate Length. (Lead and Return.) Feet. | Insulated with | HOW PROTECTED. |
| | | | | No. | Diameter. | | | | |
| | BALLAST PUMP | | | | | | | | |
| | MAIN BILGE LINE PUMPS ... | | | | | | | | |
| | GENERAL SERVICE PUMP ... | | | | | | | | |
| | EMERGENCY BILGE PUMP ... | | | | | | | | |
| | SANITARY PUMP | | | | | | | | |
| | CIRC. SEA WATER PUMPS ... | | | | | | | | |
| | CIRC. FRESH WATER PUMPS | | | | | | | | |
| | AIR COMPRESSOR | | | | | | | | |
| | FRESH WATER PUMP | | | | | | | | |
| | ENGINE TURNING GEAR ... | | | | | | | | |
| | ENGINE REVERSING GEAR ... | | | | | | | | |
| | LUBRICATING OIL PUMPS ... | | | | | | | | |
| | OIL FUEL TRANSFER PUMP | | | | | | | | |
| | WINDLASS | | | | | | | | |
| | WINCHES, FORWARD | | | | | | | | |
| | WINCHES, AFT | | | | | | | | |
| | STEERING GEAR | | | | | | | | |
| | WORKSHOP MOTOR | | | | | | | | |
| | VENTILATING FANS | | | | | | | | |
| | LATHE MOTOR | 1 | .0145 | 7 | .052 | 32 ✓ | 60 | V.I.R | LC & B in Galv Iron Pipe |
| | GRINDER " | 1 | .0045 | 7 | .023 | 16 ✓ | 60 | " | " |
| | DRILLING M/C | 1 | .0045 | 7 | .023 | 16 ✓ | 60 | " | " |
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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.

A. PRO THE SUNDERLAND FORGE & ENGINEERING CO. LTD.

Electrical Engineers.

Date

Oct 28/1926

COMPASSES.

Distance between electric generators or motors and standard compass 240 FEET

Distance between electric generators or motors and steering compass 240

The nearest cables to the compasses are as follows:—

A cable carrying 4.57 Ampères 10 feet from standard compass 10 feet from steering compass.

A cable carrying 25 Ampères 10 feet from standard compass LED INTO feet from steering compass.

A cable carrying 25 Ampères LED INTO feet from standard compass 10 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.

LITHGOWS LIMITED.

W B Allan

Director & Secretary

Builder's Signature.

Date

1 Nov /26

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

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 installation is in accordance with the London letter of 9th April 1926 approving the use of Vulcanised cables led through screwed conduit instead of the usual led covered cables.

The workmanship was found to be good and sound.

It is submitted that this vessel is eligible for THE REGULAR ELEC. LIGHT.

Elec. Light.

W. H. 16/11/26.

Total Capacity of Generators 30 Kilowatts

The amount of Fee ... £ 22.10.0

Travelling Expenses (if any) £

When applied for,

Pro G. K.

When received,

20/10/26.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 9-NOV 1926

Assigned

Elec. Light.



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