

Rpt. 13.

No 76008

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 2/10/22 When handed in at Local Office 6/10/22 Port of NEWCASTLE-ON-TYNE
 Received at London Office SAT. 7 OCT.

No. in Survey 72621 at Newcastle Date, First Survey 17 Aug/22 Last Survey 21 Sept. 19 22
 Reg. Book. 72621 on the Saxicava (Number of Visits 5)

Built at Newcastle By whom built Swan Hunter & Wigham Rich. Yard No. 1181 Tons { Gross 5700
 Net 3400
 When built 1922

Owners Anglo Saxon Petroleum Co. Ltd. Port belonging to London

Electric Light Installation fitted by Swan Hunter & Wigham Richardson Contract No. 1181 When fitted 1922.

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 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 after end.
 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 thwartship bulkhead aft.
 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 ✓

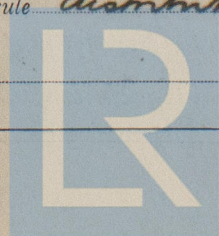
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole switch & fuses on each pair of generator mains & outgoing circuit ✓

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 lamp
connected to earth through double pole fuses & switch ✓

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 distribution boxes
are cast iron with "X" type fuses. ✓



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If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office *Yes*.

[illegible]

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.

SWAN. HUNTER. & WIGHAM RICHARDSON, LTD.

Electrical Engineers.

Date 5th October 1922

COMPASSES.

Distance between electric generators or motors and standard compass 220

Distance between electric generators or motors and steering compass 60

The nearest cables to the compasses are as follows:—

A cable carrying 28 Ampères 10 feet from standard compass 10 feet from steering compass.

A cable carrying 4.5 Ampères 10 feet from standard compass 10 feet from steering compass.

A cable carrying 12 Ampères 15 feet from standard compass 15 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 Nil course in the case of the standard compass, and Nil degrees on Nil course in the case of the steering compass.

SWAN. HUNTER. & WIGHAM RICHARDSON, LTD.

Builder's Signature.

Date 5th Oct 1922

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

General Remarks (State quality of workmanship, opinions as to class, &c. The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation elec light, wireless.

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

C.H.D. 2/11/22

Total Capacity of Generators 17 Kilowatts

The amount of Fee ... £ 16 : 0 : When applied for, 4/10/22
Travelling Expenses (if any) £ : : When received, 5/10/22

W.T. Badger.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Im. 3.22.—Transfer.
(The Surveyor are requested not to write on or below the space for Committee's Minute.)



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