

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

No. 84715

Date of writing Report 19 When handed in at Local Office 29 10 29 Port of NEWCASTLE-ON-TYNE Received at London Office 12 SEP 1929

No. in Survey held at Newcastle. Date, First Survey 9 July Last Survey 29 Aug 19 29
Reg. Book. Suffix. 42754 on the S.S. "Vikingen" (Number of Visits 10)

Built at Newcastle. By whom built Swan Hunter & Wigham Richardson Ltd. Ward No. 1377
Owners Viking Whaling Co. Ltd. When built 1924

Electric Light Installation fitted by Swan Hunter & Wigham Richardson Ltd. Contract No. 1377. When fitted 1924

System of Distribution Double pole.
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 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 Yes, is an adjustable regulating resistance fitted in series with each shunt field Yes

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 On dynamo flat engine room aft
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

Main Switch Boards, where placed On dynamo flat, engine room, both sides 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, 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 with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework Yes
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

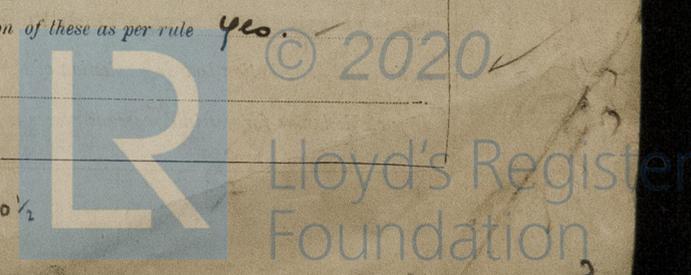
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches. Triple pole circuit breakers for each dynamo. Double pole switch & fuses on each outgoing circuit

Instruments on main switchboard 4 ammeters 4 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 coupled to earth through switches & fuses.

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.



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.

FOR SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

Electrical Engineers.

Date

5th Sept 1929.

COMPASSES.

Distance between electric generators or motors and standard compass

420 feet

Distance between electric generators or motors and steering compass

415 feet

The nearest cables to the compasses are as follows:—

A cable carrying .25 Amperes on the feet from standard compass 10 feet from steering compass.

A cable carrying .25 Amperes 10 feet from standard compass on the feet from steering compass.

A cable carrying Amperes 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 all course in the case of the standard compass, and nil degrees on all course in the case of the steering compass.

SWAN, HUNTER & WIGHAM RICHARDSON, LTD.
 T. Cunningham

Builder's Signature.

Date 5th Sept 1929.

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.)

The above installation is in accordance with the Society's Rules. The vessel is eligible in my opinion for notation elec light wireless.

elec. light

W.A.

7/10/29

Total Capacity of Generators 105.75 Kilowatts.

The amount of Fee ... £ 31 : 15

When applied for. 28 SEP 1929

Travelling Expenses (if any) £ :

When received. 18-9-29

W.T. Badger

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

elec. light

Im. 228.—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)



© 2020

Lloyd's Register Foundation