

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report 19 When handed in at Local Office 7-8-1929 Port of NEWCASTLE-ON-TYNE

No. in Survey held at Newcastle. Date, First Survey July 2nd Last Survey July 30th 1929
 Reg. Book. Subh. 41127. on the S.S. "Langleetarn" (Number of Visits 4)

Tons { Gross 4908.
 Net 2986.

Built at Newcastle. By whom built Palmers & Co. Ltd. Yard No. 992 When built 1929

Owners Hedomsley S.S. & Co. Ltd. Port belonging to Newcastle.

Electric Light Installation fitted by Palmers & Co. Ltd. Contract No. 992. When fitted 1929

System of Distribution

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 —, 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 Engine room starboard side ✓

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 Engine room starboard side ✓

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 Double pole

switch fuses on dynamo mains + on each outgoing circuit ✓

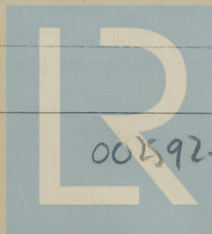
Instruments on main switchboard one ammeters one voltmeters — synchronising device for paralleling purposes.

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.



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

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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.

W. H. Pomeroy

Palmer's S & I Co. Ltd.

Electrical Engineers.

Date 9/8/29.

COMPASSES.

Distance between electric generators or motors and standard compass 125 feet

Distance between electric generators or motors and steering compass 115 feet.

The nearest cables to the compasses are as follows:—

A cable carrying 28 Ampères on the feet from standard compass 8 feet from steering compass.

A cable carrying 28 Ampères 8 feet from standard compass on the 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 all course in the case of the standard compass, and nil degrees on all course in the case of the steering compass.

Palmer's Shipbuilding & Iron Co. Ltd.

Al Jenkins

Builder's Signature.

Date 9/8/29.

Is this installation a duplicate of a previous case yes. If so, state name of vessel "Languecrag".

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

The above installation is in accordance with the Societies Rules. The vessel is eligible in my opinion for notation electric light wireless

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

YRM

15.8.29

Total Capacity of Generators 12 Kilowatts.

The amount of Fee ... £ 12 : -

When applied for,

15 AUG 1929

When received,

29.8.29

Travelling Expenses (if any) £ :

W. T. Badger

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 16 AUG 1929

Assigned

Elec Light



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