

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 28 AUG 1929

Date of writing Report 19 When handed in at Local Office 26.8.29 Port of Hull

No. in Survey held at Hull Date, First Survey Aug 21st Last Survey Aug 21st 1929
Reg. Book. on the Steam Trawler "BEVERLAC" (Number of Visits.....)

Built at Beverly By whom built Cook, Welton & Gemmell Ltd No. 525 When built 1929

Owners W. A. Massey & Sons Ltd Port belonging to Hull

Electric Light Installation fitted by Wm Broady & Sons Ltd Contract No. When fitted 1929

System of Distribution

Pressure of supply for Lighting 100 volts, Heating ✓ volts, Power ✓

Direct or Alternating Current, Lighting Direct Current 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 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 ✓

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 Starboard side of 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 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, direct coupled.

Main Switch Boards, where placed Beside generator in 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 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. ✓

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

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

Main circuits controlled by S.P. switches and protected by fuses on each pole

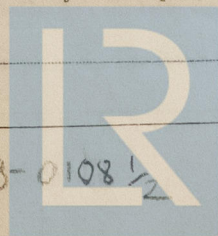
Instruments on main switchboard one ammeters one voltmeters ✓ synchronising device for paralleling purposes.

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

Earth lamp with separate switches

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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W1343-0108 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.

WM. BROADY & SONS,
ENGLISH STREET,
LULL.

Electrical Engineers.

Date 16th Aug. 1929.

COMPASSES.

Distance between electric generators or motors and standard compass 68 ft.

Distance between electric generators or motors and steering compass.

The nearest cables to the compasses are as follows:—

A cable carrying 5 Ampères 10 feet from standard compass feet from steering compass.

A cable carrying 5 Ampères 10 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 no degrees on any course in the case of the standard compass, and no degrees on any course in the case of the steering compass.

COOK, WELTON & GEMMELL, LTD.

Alfred Lipwile Builder's Signature.

Date 20 AUG 1929

Secretary & Director.

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

"Kington Peridot"

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

of this vessel has been fitted on board under special survey, tried under full working conditions & found in good order. It is eligible in my opinion to have Record of "Electric Light"

It is submitted that
this vessel is eligible for
THE RECORD

Elec. Light

W. H. Waggott

30/8/29

J. I.

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 : 0

When applied for,

24.8.1929

Travelling Expenses (if any) £ :

When received,

13.9.1929

W. H. Waggott

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Elec Light

FRI 30 AUG 1929



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