

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

Date of writing Report JAN 31 1933 When handed in at Local Office 31 Jan 1933 Port of San Francisco Calif

No. in Survey held at QUINCY & SAN FRANCISCO Date, First Survey 2 Nov 1932 Last Survey Jan 27th 1933
Reg. Book. 66674 on the s/s LURLINE (Number of Visits 8)

30
350

Built at Quincy, Mass By whom built Bethlehem S. B. Corp Yard No. 1447 When built 1932
Owners Oceanic S. S. Co. Port belonging to San Francisco Calif

Tons { Gross 18021
Net 10559

Electric Light Installation fitted by Bethlehem S. B. Corp Contract No. 1447 When fitted 1932

System of Distribution 3 WIRE GROUNDED NEUTRAL

Pressure of supply for Lighting 115 volts, Heating 230 volts, Power 230 volts.

Direct or Alternating Current, Lighting D.C. Power D.C.

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 SHUNT WOUND

are they over compounded 5 per cent. ✓, if not compound wound state distance between each generator abt 8'-0"

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 GENERATOR 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 yes

and yes, 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 GENERATOR ROOM

If the generators and main switchboard are not located 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 micaite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework ✓

and is the frame effectively earthed ✓ 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

Each generator has circuit breaker + triple pole switch. Each outgoing circuit has 2 pole or 3 pole switch. No equalizers

Instruments on main switchboard 8 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

Detector Lamps + Meter

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.

BETHLEHEM S. B. CORP
S. M. Haheman
Genl Pres

Electrical Engineers.

Date _____

COMPASSES.

Distance between electric generators or motors and standard compass *alt 300 ft*
 Distance between electric generators or motors and steering compass *alt 300*
 The nearest cables to the compasses are as follows:—
 A cable carrying $\frac{1}{4}$ Ampères *close to* feet from standard compass *close to* feet from steering compass.
 A cable carrying $\frac{1}{2}$ Ampères *alt 15* feet from standard compass *alt 15* 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 _____ degrees on _____ course in the case of the standard
 compass, and _____ degrees on _____ course in the case of the steering compass.

BETHLEHEM S. B. CORPORATION

S. M. Haheman

Builder's Signature.

Date _____

Genl Pres

Is this installation a duplicate of a previous case *YES* If so, state name of vessel *MARIPOSA S. Fo Rpt 6623*
MONTEREY 6695

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

This Electrical Installation has not been built under Special Survey but it has been examined & it complies with the Rules & the workmanship & material are good. It has been satisfactorily tried at full load & it is now in good & safe working condition & eligible, in our opinion, to receive the notation 'ELEC LIGHT' in the Register Book.

Elec Light
S. M.
25/27/33

Total Capacity of Generators *2000* Kilowatts. *MAIN*
30 *EMERGENCY.*

The amount of Fee ... *CHARGED* : When applied for, *19*
£ ON NULL : *19*
RPT FORM. :
 Travelling Expenses (if any) £ : : When received, *19*

J. G. Archholder John S. Heck
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *NEW YORK FEB 8 - 1933*

Assigned *Elec. Light*

