

No. 6881

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

7-MAR-1949

Received at London Office

Report *10* When handed in at Local Office *10* Port of New Orleans, La.

Survey held at New Orleans, Louisiana Date, First Survey 14 July Last Survey 2 December 1948
 (Number of Visits 27)

on the Steel Single Screw Steamer "ULTRAMARINO" Tons { Gross 4323
 Net 2593

Stettin, Germany By whom built Akt. Ges. "Vulcan" Yard No. When built 1921

Julio Ribeiro Campos Port belonging to Oporto

Light Installation fitted by Builders Contract No. - When fitted -

Vessel fitted for carrying Petroleum in bulk No

Distribution One wire

of supply for **Lighting** 220 volts, **Heating** - volts, **Power** 220 volts.

Alternating Current, Lighting Direct **Power** Direct

ing current system, state frequency of periods per second -

Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off No, shunt wound
 rs, do they comply with the requirements regarding temperature rise yes, are they compound wound with common poles
 or compounded 5 per cent. -, if not compound wound state distance between each generator 25 feet

than one generator is fitted are they arranged to run in parallel yes, is an adjustable regulating resistance fitted in
 each shunt field yes Have certificates of test results for machines under 100 kw. been submitted and
 None yes Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing yes

inals accessible, clearly marked, and furnished with sockets yes, are they so spaced or shielded that they cannot be accidentally earthed,
 ed, or touched yes Are the lubricating arrangements of the generators as per Rule yes

of Generators No. 1 in fwd. star side of engine room at bottom., is the ventilation
No. 2 on middle platform after port side of engine room.
 the generators satisfactory yes are they clear of all inflammable material yes if situated near unprotected
 r other combustible material, state distance of same horizontally from or vertically above the generators - and -,
 rators protected from mechanical injury and damage from water, steam or oil yes, are their axes of rotation fore and aft yes,
 are the bedplates and frames of the generating plant efficiently earthed yes are the prime movers and their respective generators

contact yes **Main Switch Boards**, where placed 12' above base line fwd. stbd. side of Main
Room Frs. 111-113 If the generators and main switchboard are not placed in the same compartment, is each generator provided with
 uch insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard same compartment
boards, are they placed in accessible positions, free from inflammable gases and acid fumes yes, are they protected from mechanical
 damage from water, steam or oil yes, if situated near unprotected woodwork or other combustible material, state distance of same
 from or vertically above the switchboards - and -, are they constructed wholly of durable, non-ignitable non-absorbent
yes, is all insulation of high dielectric strength and of permanently high insulation resistance yes,
 approved type yes, if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micanite or other
 pic insulating material, and the slab similarly insulated from its framework -, is the non-hygroscopic insulating material of an approved
-, and is the frame effectively earthed -. Are the fittings as per Rule regarding:— spacing or shielding of live parts
s, accessibility of all parts yes, absence of fuses on back of board yes, temperature rise of
rs Normal, individual fuses to voltmeter, pilot or earth lamp yes, are moving parts of switches alive in the
on No are all screws and nuts securing connections effectively locked yes are any fuses fitted on the live side of

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches
front type switch. Each generator has single pole Air Circuit Breaker, overload trip, reverse
trip, knife type main disconnect switch, each outgoing circuit has single pole fused
switch.
 driven generators fitted with emergency trip switch as per rule No Are cupboards or compartments containing switchboards composed of

material or lined with approved material yes **Instruments** on main switchboard 3 ammeters. 3
- synchronising device for paralleling purposes. For compound machines is the ammeter connected on the opposite pole to equaliser connection

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system
none (One wire system) **Switches, Circuit Breakers and Fusible Cut-outs**,
 ply with the requirements of the Rules Yes are the fusible cutouts of an approved type Yes have the reversed



All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electro-technical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

Electrical Engineers.

Date December 6, 1948

COMPASSES.

	Fathometer M/G Set	15'
Distance between electric generators or motors and standard compass	Radio M/G set	25'
	Fathometer M/G set	10'
Distance between electric generators or motors and steering compass	Radio M/G set	18'

The nearest cables to the compasses are as follows:—

A cable carrying .75	Ampères	7'-0"	feet from standard compass	2'-10"	feet from steering compass.
A cable carrying .5	Ampères	6'-0"	feet from standard compass	3'-6"	feet from steering compass.
A cable carrying 5	Ampères	8'-0"	feet from standard compass	5'-0"	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 neutral degrees on _____ course in the case of the standard compass, and neutral degrees on _____ course in the case of the steering compass.

Builder's Signature.

Date

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 workmanship of this Electrical)

Installation is good and eligible in my opinion to be classed along with the machinery of this vessel.

Noted six 19/5/49

Total Capacity of Generators 265 Kilowatts.

The amount of Fee	<u>N.O.s. 4/85-</u>	When applied for,	<u>15/-</u>	19 <u>49</u>
Travelling Expenses (if any) £	<u>Boa 4c 350-</u>	When received,		

W.C. Cowin for W.C. Cowin - SELF.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK FEB 16 1949

Assigned ELEC. LIGHT



© 2020

Lloyd's Register Foundation