

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

23 MAY 1947
Received at London Office.

Date of writing Report... 16.5.47 When handed in at Local Office... 17.5.47 Port of... TRIESTE

No. in Survey held at... Trieste Date, First Survey... Last Survey... 19...
Reg. Book. (Number of Visits... acc. Rpt 9

77594 on the... "LEE SANG" Tons { Gross. 1655
Net. 972

Built at... Lubeck By whom built... Henry Koch Yard No. - When built... 1907

Owners... E. M. Trattles Port belonging to... Hong Kong

Electrical Installation fitted by... Contract No. - When fitted -

Is vessel fitted for carrying Petroleum in bulk... No Is vessel equipped with D.F... Yes E.S.D... No Gy.C... No Sub.Sig... No

Have plans been submitted and approved... - System of Distribution... 2 Wire D.C. Voltage of supply for Lighting... 100

Heating... - Power... - Direct or Alternating Current, Lighting... D.C. Power... - If Alternating Current state frequency... - Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off... Yes Are turbine emergency governors fitted with a

trip switch as per Rule... - Generators, are they compound wound... No, are they level compounded under working conditions... -

if not compound wound state distance between generators... - and from switchboard... - Where more than one generator is fitted are they

arranged to run in parallel... No, are shunt field regulators provided... Yes Is the compound winding connected to the negative or positive pole

Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing... - Have certificates of

test for machines under 100 kw. been supplied... - and the results found as per rule... - Are the lubricating arrangements and the construction

of the generators as per rule... Yes Position of Generators... One in Eng. Rm. Starboard.

is the ventilation in way of generators satisfactory... Yes are they clear of inflammable material... Yes, if situated

near unprotected combustible material state distance from same horizontally... - and vertically... - are the generators protected from mechanical

injury and damage from water, steam and oil... Yes, are the bedplates and frames earthed... Yes and the prime movers and generators in metallic

contact... Yes Switchboards, where are main switchboards placed... In Eng. Rm. Starboard.

are they in accessible positions, free from inflammable gases and acid fumes... Yes, are they protected from mechanical injury and damage from water, steam

and oil... Yes, if situated near unprotected combustible material state distance from same horizontally... - and vertically... - what insulation

material is used for the panels... Porcelain & mica, if of synthetic insulating material is it an Approved Type... - if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule... - Is the frame effectually earthed... Yes

Is the construction as per Rule... Yes, including accessibility of parts... Yes, absence of fuses on the back of the board... Yes, individual fuses

to pilot and earth lamps, voltmeters, etc... Yes locking of screws and nuts... Yes, labelling of apparatus and fuses... Yes, fuses on the "dead"

side of switches... Yes Description of Main Switchgear for each generator and arrangement of equaliser switches...

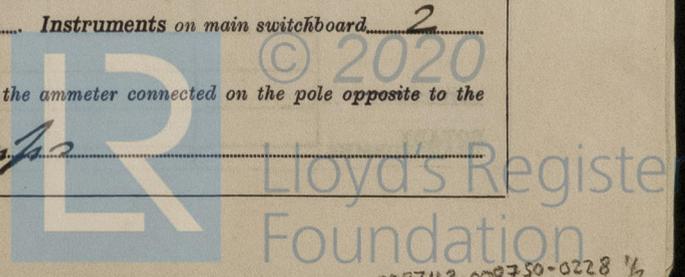
Double pole linked with fuse on each pole.

and for each outgoing circuit... Double pole linked with fuse on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... Yes Instruments on main switchboard... 2

ammeters... 2 voltmeters... - synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection... - Earth Testing, state means provided... Earth lamps



The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
 All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
 The foregoing is a correct description.

..... Electrical Engineers. Date.....

COMPASSES.

Minimum distance between electric generators or motors and standard compass..... 60'

Minimum distance between electric generators or motors and steering compass..... 55'

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 5 feet from standard compass 5 feet from steering compass.

A cable carrying — Ampères — 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 Nil degrees on any course in the case of the standard compass, and Nil degrees on any 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, whether insulation tests, etc., have been made, opinions as to class, etc.).....

The electrical installation of this vessel has been examined throughout, tried under working conditions and satisfactory insulation tests obtained. In my opinion the installation is such as could be accepted on board a vessel classed with the Society.

Noted SW 2/6/47.

Total Capacity of Generators..... 7.5 Kilowatts.

The amount of Fee ...	£ <u>See letter</u>	: {	When applied for,
		19.....
Travelling Expenses (if any) £	:	:	When received.
		19.....

John M. Lee
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... FRL 13 JUN 1947

Assigned..... See F.E. mch. rph.

2m.10.33.—Transfer. (MADE IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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