

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

14 MAY 1947

Received at London Office.....

Date of writing Report... 19th APRIL 1947. When handed in at Local Office... 28.4.1947 Port of... GLASGOW

No. in Survey held at... GREENOCK Date, First Survey... 11th NOVEMBER 1946 Last Survey... 18th APRIL 1947
Reg. Book. (Number of Visits... 3)

89277 on the... 'TEDDY' Tons { Gross... 790
Not... 454

Built at... GREENOCK By whom built... G. BROWN & CO (MARINE) LTD Yard No... 241 When built... 1946

Owners... HANS SVENNINGSSEN Port belonging to... COPENHAGEN

Electrical Installation fitted by... J WILLIS & SONS PORT GLASGOW Contract No... 241 When fitted... 1946

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

Have plans been submitted and approved... YES System of Distribution... TWO WIRE Voltage of supply for Lighting... 220

Heating... 220 Power... 220 Direct or Alternating Current, Lighting... D.C. Power... D.C. If Alternating Current state periodicity... PRIME MOVERS,

has the governing been tested and found as per Rule when full load is suddenly thrown on and off... YES Are turbine emergency governors fitted with a

trip switch as per Rule... YES Generators, are they compound wound... YES are they level compounded under working conditions... YES

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

NEGATIVE 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... YES and the results found as per rule... YES Are the lubricating arrangements and the construction

of the generators as per rule... YES Position of Generators... STARBOARD SIDE OF ENGINE ROOM

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... FORWARD BULKHEAD OF ENGINE ROOM.

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... GRADUATE BAKELITE OK for use if of synthetic insulating material is it an Approved Type... YES 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... 35 KW GENERATOR - 200 AMP

D.P. CIRCUIT-BREAKER FITTED WITH 1/2 TRIPS: 15 KW GENERATOR - 100 AMP D.P. CIRCUIT-BREAKER

FITTED WITH 1/2 TRIPS

and for each outgoing circuit... 100 AMP D.P. CHANGE OVER SWITCHES (KNIFE PATTERN) WITH FUSES: 60 OR 30 AMP

D.P. CHANGE OVER SWITCHES (ROTARY TYPE) WITH FUSES.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... 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

Switches, Circuit Breakers and Fuses, are they as per Rule... YES are the fuses an approved type... YES are all fuses labelled as

per Rule... YES If circuit breakers are provided for the generators, at what overload current did they open when tested... FULL LOAD, are the reversed current

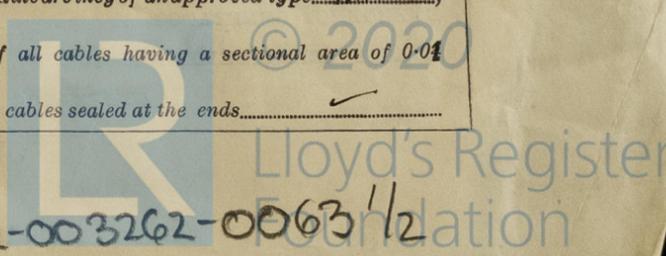
protection devices connected on the pole opposite to the equaliser connection... have they been tested under working conditions, and at what current

did they operate... Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule... YES

Cables, are they insulated and protected as per the appropriate Tables of the Rules... YES, if otherwise than as per Rule are they of an approved type... W.F.,

state maximum fall of pressure between bus bars and any point under maximum load... 4.5 VOLTS, are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets... YES Are paper insulated and varnished cambric insulated cables sealed at the ends... YES



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. *V.I.K. CABLES IN STEEL PIPE.*

MACHINERY SPACE *John Wills T. S. S. S.* L.C. CABLE CLIPPED TO STEEL TRAY
 ACCOMMODATION *John Wood ES LIPPERS* *Port glass* Electrical Engineers. Date *22nd April 1947*

COMPASSES.

Minimum distance between electric generators or motors and standard compass *TWENTY SIX FEET*
 Minimum distance between electric generators or motors and steering compass *TWENTY TWO FEET*

The nearest cables to the compasses are as follows:—

A cable carrying *1.8* Ampères *7* feet from standard compass *7* feet from steering compass.
 A cable carrying *10.7* Ampères *LED INTO* feet from standard compass *LED INTO* feet from steering compass.
 A cable carrying *7* Ampères *7* feet from standard compass *7* 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 *ENE* course in the case of the standard compass, and *NIL* degrees on *ENE* course in the case of the steering compass.

FOR AND ON BEHALF OF
LESLIE BROWN & CO. (MARINE) LTD. Builder's Signature. Date *22.4.47*
Goldstein

Is this installation a duplicate of a previous case *No* If so, state name of vessel *Director*

Plans. Are approved plans forwarded herewith *No* If not, state date of approval *13/11/46 AND 10/10/46*

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith *OTHERS FORWARDED WHEN SUPPLIED BY SHIPBUILDER*

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 fitted on board under Special Survey tested under working conditions and found satisfactory. The quality of materials and workmanship is good.

Noted SW. 12/6/47.

35	220	109	1000	I.C. ENGINE	CIL	above 150°
1	220	68	1000	I.C. ENGINE	CIL	above 100°

Total Capacity of Generators *50* Kilowatts.

The amount of Fee ... £ *35* - : *at work* 1947
 Travelling Expenses (if any) £ *1* : *10* : *When received* 1947
19.064

M. Gardiner
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 13 MAY 1947*

Assigned *SEE ACCOMPANYING MACHINERY REPORT.*

ML-D
 Form 430—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

