

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) - 3 DEC 1941

Received at London Office.....

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

No. in Survey held at Hull Date, First Survey 15. 9. 41 Last Survey 21. 11. 19. 41
Reg. Book. (Number of Visits.....12.....)

on the H.M.T. SHIANT Tons { Gross 452
Net 142

Built at Gool By whom built Gool S.B. & Rep. Co. Ltd Yard No. 363 When built.....

Owners The Admiralty Port belonging to.....

Electrical Installation fitted by St. Hubert Electric Engineers Co. Ltd Contract No. When fitted.....

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

Have plans been submitted and approved Yes System of Distribution Parallel Condenser Pressure 2 wire voltage of supply for Lighting 110

Heating 110 Power 110 Direct or Alternating Current, Lighting D.C. Power D.C. 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 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 , are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Positive 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 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 Engine room, adjacent to generator

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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 Units mounted on framework with mica strip insulation, 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.....

D.P. Switches & fuses

.....

and for each outgoing circuit D.P. Switches & fuses

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

ammeters One 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 megger

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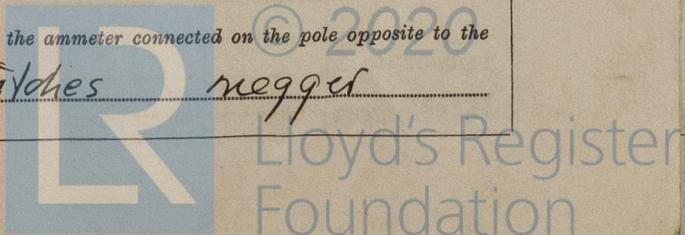
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The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
 All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
 The foregoing is a correct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

THE SOCIETY OF ELECTRICAL ENGINEERS

W.S. Puntworth

Electrical Engineers. Date.....

COMPASSES.

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

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

The nearest cables to the compasses are as follows:-

A cable carrying Ampères feet from standard compass 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.....

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted.....

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.

Numbers cables in the vicinity of both compasses for lighting of both compasses and assaic particulars of duration not available

Builder's Signature. Date.....

Is this installation a duplicate of a previous case..... *Yes* If so, state name of vessel *H.M.T. BIRCH*
with minor additions

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.).....

The installation has been fitted on board in accordance with the approved Admiralty plans and requirements and the Society Rules

The workmanship & materials are good & when subjected to the tests required by the Admiralty & as prescribed in the Rules and also when tried under full working conditions the installation was found satisfactory in every respect.

*Note
 24
 5/12/41*

Total Capacity of Generators..... *15* Kilowatts.

The amount of Fee £ *15 : 0* : { When applied for, *1.12.41*
 Travelling Expenses (if any) £ : : { When received, *.....19.....*

Dijksterhuis
 Surveyor to Lloyd's Register of Shipping.

TUE 9 DEC 1941

Committee's Minute.....

Assigned..... *See Sub JE 51414*

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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