

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

11 DEC 1941

Received at London Office.....

Date of writing Report. 14 November 41 When handed in at Local Office. 8:12: 41 Port of Glasgow 12

No. in Survey held at Aberdeen Date, First Survey 13: 8: 41 Last Survey 28 November 1941
Reg. Book. (Number of Visits.....5.....)

on the H.M.S. LOOSE STRIFE.

Built at Aberdeen By whom built Hall, Russell & Co. Ltd. Yard No. 761 When built 1941

Owners Admiralty Port belonging to -

Electrical Installation fitted by The Sunderland Forge & Eng. Co. Ltd. Contract No. 761 When fitted 1941

Is vessel fitted for carrying Petroleum in bulk. - Is vessel equipped with D.F. - E.S.D. - Gy.C. - Sub.Sig. -

Have plans been submitted and approved. - System of Distribution two 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. - Are turbine emergency governors fitted with a

trip switch as per Rule. - Generators, are they compound wound. - 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. - are shunt field regulators provided. - 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. - and the results found as per rule. - Are the lubricating arrangements and the construction

of the generators as per rule. - Position of Generators in engine room.

is the ventilation in way of generators satisfactory. - are they clear of inflammable material. - 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. - are the bedplates and frames earthed. - and the prime movers and generators in metallic

contact. - Switchboards, where are main switchboards placed. Near generators.

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

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

material is used for the panels. Things mounted on Main L. Bars. 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. -

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

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

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

Triple pole C.B. with 0/2 and R.I. trips.

and for each outgoing circuit. D.P. Switch and 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 lamp.

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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.

P. Pro. THE SUNDERLAND FORGE & ENGINEERING CO., LTD. Electrical Engineers. Date 3rd December 1941

COMPASSES.

Minimum distance between electric generators or motors and standard compass 20 feet
Minimum distance between electric generators or motors and steering compass 15 feet

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères led in feet from standard compass led in feet from steering compass.
A cable carrying 10.6 Ampères 10 feet from standard compass 10 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 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.

FOR HALL, RUSSELL & CO., LTD.
John Russell SECRETARY

Builder's Signature. Date 18/11/41

Is this installation a duplicate of a previous case ✓. If so, state name of vessel H.M.S. COMMANDANT DETROIT

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

The electrical equipment of this vessel has been fitted on board under special survey and in accordance with the specification and statement of Admiralty requirements for the class of vessel. Tested under working conditions and found satisfactory. The materials and workmanship are good.

Noted
L.P.
19/12/41

Rob
8/1/41

Total Capacity of Generators 30 Kilowatts.

The amount of Fee ... £ 15 : { When applied for, at 15/-
Travelling Expenses (if any) £ : : When received, 10/-

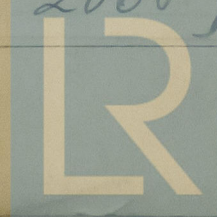
S. P. W. L. A. T.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 9 - DEC 1941

Assigned Transmit to London

FEB 2 JAN 1942

See Mr
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