

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office APR 24 1941

Date of writing Report.....19..... When handed in at Local Office 23 APR 1941 Port of HULL

No. in Survey held at Hull Date, First Survey 20. 12. 40. Last Survey 20. 3. 1941.  
Reg. Book. (Number of Visits.....13.....)

on the H.M.S. **JULIET** Tons {Gross...452...  
Net...142...}

Built at Beverly By whom built Robt. Walton Gammell Yard No. 669 When built 1941-3

Owners The Admiralty Port belonging to \_\_\_\_\_

Electrical Installation fitted by Wm. Bradley & Son Ltd Contract No. ✓ When fitted 1941-3

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

Have plans been submitted and approved Yes System of Distribution Parallel-constant current Voltage of supply for Lighting 110  
two-wire

Heating 110 Power ✓ Direct or Alternating Current, Lighting Direct 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 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

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 frame work insulated with mica strips 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

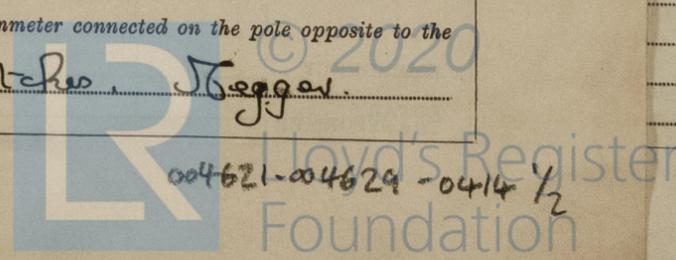
D.P. Switches & fuses.

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

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 Beath Pumps switches Beaggar



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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.

WM BROADY & SON LTD.  
 ENGLISH ENGINEERS

Electrical Engineers.

Date 3<sup>rd</sup> April 1941.

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.

COOK, WELTON & GEMMELL LTD.

*M. S. D. G.*  
 Secretary & Director.

Builder's Signature.

Date 19 APR 1941

Is this installation a duplicate of a previous case..... Yes ..... If so, state name of vessel H.M.T. Birch.

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

This installation has been fitted on board in accordance with the approved Admiralty plans & requirements & the Society's Rules. The workmanship & materials are good and when subjected to the tests required by the Admiralty & prescribed in the Rules and also when tried under full working conditions, this installation was found satisfactory in every respect.

*Noted*  
 29/4/41

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

The amount of Fee ... .. £ 15 : 0 : .....  
 Travelling Expenses (if any) £ : : .....  
 When applied for, 23 APR 1941  
 When received, 1

*W. J. Hallam*  
 Surveyor to Lloyd's Register of Shipping.

TUE. 29 APR 1941

Committee's Minute .....

Assigned See Hul J.C. 51173

2m.10.38.—Transfer. (MADE IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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