

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.....19..... Port of HULLNo. 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. 3Owners The Admiralty Port belonging toElectrical Installation fitted by Wm. Broadbent & Son Ltd Contract No. ✓ When fitted 1941. 3Is 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-wireHeating 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 atrip 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 theyarranged to run in parallel ✓, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive polePositive Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing ✓ Have certificates oftest for machines under 100 kw. been supplied ✓ and the results found as per rule ✓ Are the lubricating arrangements and the constructionof the generators as per rule Yes Position of Generators Engine Roomis the ventilation in way of generators satisfactory Yes are they clear of inflammable material Yes, if situatednear unprotected combustible material state distance from same horizontally ✓ and vertically ✓, are the generators protected from mechanicalinjury and damage from water, steam and oil Yes, are the bedplates and frames earthed Yes and the prime movers and generators in metalliccontact Yes Switchboards, where are main switchboards placed Engine room Adjacent to generatorare they in accessible positions, free from inflammable gases and acid fumes Yes, are they protected from mechanical injury and damage from water, steamand oil Yes, if situated near unprotected combustible material state distance from same horizontally ✓ and vertically ✓, what insulationmaterial 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 ofsemi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule ✓ Is the frame effectually earthed YesIs the construction as per Rule Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fusesto 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 Oneammeters One voltmeters ✓ synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to theequaliser connection ✓ Earth Testing, state means provided Beath Lamp switches. Megger.

PARTICULARS OF GENERATING PLANT.								
DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN	One	15	110	136	500	Steam Engine	✓	✓
EMERGENCY ...								
ROTARY TRANSFORMER								

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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 & SONS LTD.

Electrical Engineers.

Date 3rd 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.

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 : When applied for, 23 APR 1941

Travelling Expenses (if any) £ : : When received, 19.....

TUE. 29 APR 1941

Committee's Minute

Assigned

See H.M. 51173

Surveyor to Lloyd's Register of Shipping.



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