

No. 12939

Rpt. 13.

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

APR -7 1941

Date of writing Report.....19..... When handed in at Local Office.....4 4 41 Port of Belfast

No. in Survey held at Belfast Date, First Survey 29.1.41 Last Survey 30.3.41
(Number of Visits.....43.....)

Reg. Book. on the "H.M. Corvette" America" Tons {Gross.....
Net.....

Built at Belfast By whom built Harland & Wolff Ltd Yard No. 1098 When built 1941

Owners The Admiralty Port belonging to.....
Electrical Installation fitted by Harland & Wolff Ltd Contract No. 3441 When fitted 1941

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

Have plans been submitted and approved yes 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 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..... 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 yes, are shunt field regulators provided yes Is the compound winding connected to the negative or positive pole

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 In Engine Room Port and Starboard Sides

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 In Engine Room adjacent to generator on starboard side

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 Live parts mounted on micanite to admiralty specification & approved plan, 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 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 Triple pole Breakers

One pole Equaliser, with reverse current, overload and no-volt trips

and for each outgoing circuit I.P. Switch & 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 Admiralty, are the fuses an approved type Admiralty, 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 136, are the reversed current protection devices connected on the pole opposite to the equaliser connection yes, have they been tested under working conditions, and at what current did they operate 30 AMPS Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule Admiralty

Cables, are they insulated and protected as per the appropriate Tables of the Rules Ad. Patt. if otherwise than as per Rule are they of an approved type..... state maximum fall of pressure between bus bars and any point under maximum load 4.25 V. 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.....



00377-003787-0074 1/2

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.



Electrical Engineers.

Date Mar. 3/et. 1941

COMPASSES.

Minimum distance between electric generators or motors and standard compass 102 ft

Minimum distance between electric generators or motors and steering compass 100 ft

The nearest cables to the compasses are as follows:—

A cable carrying 3 Ampères 4 feet from standard compass 10 feet from steering compass.

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

A cable carrying 36 Ampères 3 1/2 feet from standard compass 4 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 any course in the case of the standard compass, and nil degrees on any course in the case of the steering compass.



Builder's Signature.

Date Mar. 3/et 1941

Is this installation a duplicate of a previous case no. If so, state name of vessel v. h. Corvette "Anclusa"

Plans. Are approved plans forwarded herewith no. If not, state date of approval 8/12/39 - 17/10/40

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith Generators Yes

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 Admiralty Statement of Electrical Requirements for A/S Patrol Vessels (Corvettes) of the lobster type. The equipment has been tested under full load and working conditions and found satisfactory. The materials & workmanship are good.

Noted
2/4
7/4/41

Total Capacity of Generators 30 Kilowatts.

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

L. Stappes Chas. S. Thomas
 Surveyor to the Registrar of Shipping.

JUN 8 APR 1941

Committee's Minute

Assigned See Bel JG 12929

5m. 4.30.—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

