

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL) 14 MAY 1941

Received at London Office.....

Date of writing Report.....19..... When handed in at Local Office 13 MAY 1941 Port of HULL

No. in Survey held at Hull. Date, First Survey 25.2.41. Last Survey 23.4.19.41.  
Reg. Book. (Number of Visits.....11.....)on the H.M.T. "COPINSAY" Tons {Gross.....  
Net.....

Built at Selby By whom built Cochrane &amp; Lush Yard No. 1224 When built 1941-4

Owners The Admiralty Port belonging to ✓

Electrical Installation fitted by Wm. Broadly &amp; Son Ltd. Contract No. ✓ When fitted 1941-4

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. ✓ System of Distribution Parallel-constant Voltage of supply for Lighting 110  
current two wires

Heating 110 Power ✓ Direct or Alternating Current, Lighting Switch 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. ✓ 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

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. ✓ Position of Generators 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. Engine room adjacent to generator

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. Units mounted on frameworks 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. ✓

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"

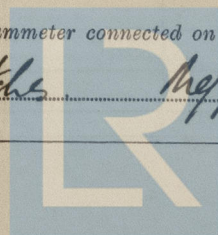
side of switches. ✓ Description of Main Switchgear for each generator and arrangement of equaliser switches. D.P. switches fuses

and for each outgoing circuit. D.P. switches fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule. ✓ 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 and switches. Meters.

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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 & SON LTD.  
ENGINEERS,  
11, LONDON STREET,  
LONDON, E.C. 4.

Electrical Engineers.

Date 3rd May 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 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.

WM BROADY & SON LTD.

Builder's Signature.

Date 6 - MAY 1941

DIRECTOR.

Is this installation a duplicate of a previous case

If so, state name of vessel

H.M.T. "ASH"

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

Noted

15-5-41

Total Capacity of Generators 15 Kilowatts.

The amount of Fee ... £ 15 :

When applied for  
16 MAY 1941

Travelling Expenses (if any) £ :

When received.

FRI. 16 MAY 1941

Committee's Minute

Assigned

See H.L. 51198

Surveyor to Lloyd's Register of Shipping.