

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

5 MAY 1943

Received at London Office

Date of writing Report.....19..... When handed in at Local Office.....19..... Port of HULLNo. in Survey held at Hessle & Hull Date, First Survey 25.2.43 Last Survey 11.4.1943
Reg. Book. (Number of Visits.....6.....)on the Single screw Oil Fuel lighter "C 606" Tons { Gross...501
Net...226Built at Hessle By whom built Henry Scott Ltd Yard No. 427 When built 1942Owners The Admiralty Port belonging to.....Electrical Installation fitted by Wm Broady & Son Contract No..... When fitted.....Is vessel fitted for carrying Petroleum in bulk Yes Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. NoHave plans been submitted and approved Yes System of Distribution Two wire Voltage of supply for Lighting 110Heating..... Power..... Direct or Alternating Current, Lighting AC 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 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 No, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive polenegative Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing..... Have certificates oftest for machines under 100 kw. been supplied Yes and the results found as per rule Yes Are the lubricating arrangements and the constructionof the generators as per rule Yes Position of Generators Engine room starboard sideis 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 metalliccontact Yes Switchboards, where are main switchboards placed Engine room starboard side neargeneratorsare 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 "Lindamys", if of synthetic insulating material is it an Approved Type Yes, 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 Double pole, quickbreak knife switches and double pole fusesand for each outgoing circuit Double pole, quick break knife switches and doublepole fusesAre compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 1ammeters 1 voltmeters — synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to theequaliser connection — Earth Testing, state means provided Lamps connected to earth via switches & fuses

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 No. 1..	1	7.5	110	6F	550	Steam engine	-	-
No. 2	1	7.5	110	6F	550	" "	-	-
EMERGENCY ..								
ROTARY TRANSFORMER								

[illegible]

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,
HULL.

Electrical Engineers.

Date 10. 3. 43.

COMPASSES.

Minimum distance between electric generators or motors and standard compass

45 ft.

Minimum distance between electric generators or motors and steering compass

40 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères inside feet from standard compass 1.5 feet from steering compass.

A cable carrying 4 Ampères 4 feet from standard compass inside 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

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 every course in the case of the standard compass, and Nil degrees on every course in the case of the steering compass.

L. Prissick

Builder's Signature.

Date 12. 3. 43

Is this installation a duplicate of a previous case

Yes

If so, state name of vessel

C605

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

The electrical

equipment of this vessel was installed under special survey and in accordance with the approved plans and with the specification. The materials used are of good quality and the workmanship is good. On completion the equipment was operated under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus was measured and found good.

This equipment is in my opinion suitable for a classed vessel.

Noted

L. H.

12/5/43

Total Capacity of Generators 15 Kilowatts.

The amount of Fee £ 15: 0

When applied for,

MAY 1943

Travelling Expenses (if any) £ :

When received.

19

L. H. Cornell

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 14 MAY 1943

Assigned

See fe made rft