

Rpt. 13.

No. 73548

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

27 JAN 1949

Date of writing Report 11th Jan 1949 When handed in at Local Office 18-1-1949 Port of GLASGOW

No. in Survey held at Glasgow Date, First Survey 6-12-48 Last Survey 17-12-1948
Reg. Book. (No. of Visits 4)

55297 on the CITY OF EDINBURGH Tons Gross 8238 Net 3965

Built at Birkenhead By whom built Cammell Laird & Co. Ltd. Yard No. - When built 1938

Owners Ellerman Lines Ltd. Port belonging to Glasgow.

Additional Installation fitted by Messrs Barclay Curle & Co. Ltd When fitted 1948

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. - Sub.Sig. - Radar Yes

Plans, have they been submitted and approved - System of Distribution Two wire Voltage of Lighting 220

Heating - Power 220 D.C. or A.C., Lighting D.C. Power D.C. If A.C. state frequency

Prime Movers, has the governing been found as per Rule when full load is thrown on and off Are turbine emergency governors fitted with a trip switch Generators, are they compound wound, and level compounded under working conditions

if not compound wound state distance between generators and from switchboard Are the generators arranged to run in parallel, are shunt field regulators provided 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 and the results found as per Rule

Position of Generators is the ventilation in way of generators satisfactory are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil

Switchboards, where are main switchboards placed Additional panel fitted to port end of main switchboard: Sub switchboard in special compartment near refrigeration machinery space

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil Yes what insulation is used for the panels Slate 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 Yes Is the construction as per Rule, including locking of screws and nuts Yes Description of Main Switchgear for each generator and arrangement of equaliser switches

and the switch and fuse gear (or circuit breakers) for each outgoing circuit For Refrigeration Sub-switchboard: 400 Amp D.P. Circuit breaker fitted with overload trip. For Refrig. Lighting: 60 Amp D.P. switch and fuses.

are compartments containing switchboards composed of fire-resisting material or lined as per Rule - Instruments on main switchboard ammeters voltmeters synchronising devices For compound machines in parallel are the ammeters and reversed current protection devices connected on the pole opposite to the equaliser connection Earth Testing, state means provided

switches, Circuit Breakers and Fuses, are they as per Rule Yes are the fuses an Approved Type Yes

type of fuses Arctic are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate and at what current do the reversed current protective devices operate

Control Boxes, Section Boards and Distribution Boards, is the construction as per Rule Yes

panels, are they insulated and protected as per Rule Yes if otherwise than as per Rule are they of an Approved Type -

the maximum fall of pressure between bus bars and any point under maximum load 8.7 Volts are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets Yes Are all paper insulated and varnished cambric insulated cables sealed at the ends Yes Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil, temperatures or risk of mechanical damage Yes are any cables laid under machines or floorplates No if so, are they adequately protected - Are cables in machinery spaces, galleys, laundries, etc., lead covered Yes or run in conduit -

of the "HR" type - State how the cables are supported or protected Clipped to steel tray or structure: covered with steel plate where necessary.

Lloyd's Register all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight heads provided with deck tubes or watertight glands Yes where unarmoured cables pass through beams, etc., are the holes properly bushed Yes Refrigerated chambers, are the cables and fittings as per Rule Yes

INSULATED CABLE CHAMBERS. 894

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