

# REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 20/9/ 19 60 When handed in at Local Office 30 OCT 1960 Received at London Office Hull. Port of Hull.

No. in Survey held at Goole. Date, First Survey 19. 1. 60. Last Survey 20. 9. 19 60.  
Reg. Book (No. of Visits 5)

on the C.871. Tons Gross            Net           

Built at Goole. By whom built C. Campling (Goole) Ltd. Yard No. 16 When built 1960.

Owners The Admiralty. Port belonging to           

Installation fitted by The Humber Electrical & Engineering Co. Ltd. Hull. When fitted 1960.

Is vessel equipped for carrying Petroleum in bulk Yes Is vessel equipped with D.F. - E.S.D. - Gy.C. - Sub.Sig. - Radar -

Plans, have they been submitted and approved            System of Distribution            Voltage of Lighting           

Heating            Power            D.C. or A.C. Lighting            Power            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           

Are the generators arranged to run in parallel            Is the compound winding connected to the negative or positive pole           

Have machines 100 kw. and over 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           

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil           , what insulation is used for the panels           , 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 construction as per Rule, including locking of screws and nuts            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           

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 reverse current protection devices connected on the pole opposite to the equaliser connection            Earth Testing, state means provided            Preference Tripping, state if provided           , and tested           

Switches, Circuit Breakers and Fuses, are they as per Rule           , are the fuses an Approved Type            make of fuses           , are all fuses labelled            If circuit breakers are provided for the generators, at what overload do they operate           , and at what current do the reverse current protective devices operate            Cables, are they insulated and protected as per Rule           

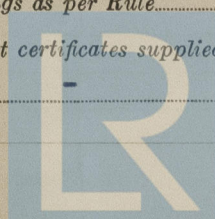
if otherwise than as per Rule are they of an Approved Type           , state maximum fall of pressure between bus bars and any point under maximum load            volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends           

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage           , are any cables laid under machines or floorplates           , if so, are they adequately protected            State type of cables (if in conduit this should also be stated) in machinery spaces           , galleys            and laundries            State how the cables are supported or protected L.C.A.B. clipped to steel tray.

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

Have refrigeration fan motors been constructed under survey            and test certificates supplied           

Are the motors accessible for maintenance at all times           



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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.

The NUMBER ELECTRICAL ENGINEERING Co. Ltd

Electrical Contractors.

Date 22/9/60

Man. Director

#### COMPASSES

Have the compasses been adjusted under working conditions.

Builder's Signature.

Date

Have the foregoing descriptions and schedules been verified and found correct. Yes.

Is this installation a duplicate of a previous case. No. If so, state name of vessel.

Plans. Are approved plans forwarded herewith. If not, state date of approval.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. None.

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

The Electrical Equipment of this vessel has been installed in accordance with the Rules and Secretary's letters.

The materials and workmanship are 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 satisfactory.

The equipment is in my opinion suitable for a vessel classed with this Society.

Total Capacity of Generators Kilowatts.

The amount of Fee ... £ : : When applied for, 19

Travelling Expenses (if any) £1 : 5s : 0d. When received, 19

Surveyor to Lloyd's Register of Shipping

Committee's Minute TUESDAY 13 DEC 1960

Assigned

See Rpt. 1.