

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

23 DEC 1954

Date of writing Report 29th Nov 54 When handed in at Local Office 30th Nov 54 Port of Southampton Received at London Office

No. in Survey held at Portsmouth Date, First Survey 30.7.53 Last Survey 21st Sept 1954 Reg. Book. (No. of Visits 6)

on the Trawler BIRCH Tons Gross Net

Built at Beverley By whom built Cook, Welton & Gemmell Yard No. When built 1940

Owners VOSPERS LTD Port belonging to

Installation fitted by Vospers Ltd. When fitted 1954

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

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

Heating Power 220 D.C. or A.C., Lighting DC Power DC 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 Yes, 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 Yes, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole Negative 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

Position of Generators on raised platforms forward engine room, port and starboard sides is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil Yes Switchboards, where are main switchboards placed on raised platform at forward end of engine room

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 Admiralty grade A Bakelite if of synthetic insulating material is it an Approved Type Yes, 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 Yes Description of Main Switchgear for each generator and arrangement of equaliser switches 100 amp. triple pole circuit breakers with two pole overload and reverse current trips

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole rotary switches and fuses on each pole

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule in E.R. Yes Instruments on main switchboard 2 ammeters 2 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 Yes Earth Testing, state means provided Two lamps in series with mid point earthed and switches and fuses

Switches, Circuit Breakers and Fuses, are they as per Rule in E.R. Yes, are the fuses an Approved Type in E.R. Yes make of fuses Siemens type are all fuses labelled in E.R. 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

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule in E.R. Yes

Cables, are they insulated and protected as per Rule in E.R. Yes, 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 are the ends of all cables having a sectional area of 0.01 square inch and above provided with soldering sockets in E.R. Yes 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 in E.R. 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 or of the "HR" type State how the cables are supported or protected Lead alloy sheathed and armoured and clipped to perforated steel trays and bulkheads as required

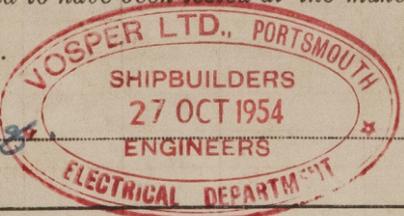
Are all lead sheaths, armouring and conduits effectually bonded and earthed in E.R. Yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands in E.R. Yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed in E.R. Yes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



in the Engine Room

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.

E. J. Peckings



Electrical Contractors. Date

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 *Yes* If so, state name of vessel *MAYTHORN*

Plans. Are approved plans forwarded herewith *-* If not, state date of approval *16.12.48*

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

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

The Electrical Installation of this vessel has been partly fitted in accordance with the Rules, approved plans and Secretary's letters. The Installation is, in my opinion, such as could be accepted for Classification when completed.

Total Capacity of Generators *24* Kilowatts.

The amount of Fee *50% of £ 12 : 0 : 0* When applied for, _____ 19 _____

Travelling Expenses (if any) £ : : When received, _____ 19 _____

J. B. Rogers
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

2m. 3. 40. - Transfer. (MADE AND PRINTED IN ENGLAND.) (The Surveyors are requested not to write on or below the space for Committee's Minute.)