

28 OCT 1959

Rpt. 13.

No. 90619

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)
Received at London Office

Date of writing Report 29 9 19 59 When handed in at Local Office 23 10 19 59 Port of GLASGOW

No. in Survey held at PORT GLASGOW Date, First Survey 5-8-59 Last Survey 7-9-19-59
Reg. Book. (No. of Visits 5)

on the M.V. "MAKOURIA" Tons Gross 560.96 Net 256.09

Built at PORT GLASGOW By whom built FERGUSON BROS. Yard No. 422 When built 1959

Owners BRITISH GUIANA RAILWAYS Port belonging to GEORGETOWN.

Installation fitted by J. CHARTERS When fitted 1959

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

Plans, have they been submitted and approved YES System of Distribution TWO WIRE INSULATED 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 YES Are turbine emergency governors fitted with a trip switch — Generators, are they compound wound YES, and level compounded under working conditions YES

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

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 YES Position of Generators GENERATOR ROOM

PORT & STARB. 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 FORWARD ATHWARTSHIPS

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 SINDANYD, 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 T.P. CIRCUIT BREAKER WITH 1/2 R/C E. N/U PROTECTION

THE THIRD POLE IS USED AS THE EQUALISER CONNECTION

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. KNIFE SWITCH & REWIREABLE

FUSES

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard 2

ammeters 2 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 YES Earth Testing, state means provided —

EARTH LAMPS Preference Tripping, state if provided No, and tested —

Switches, Circuit Breakers and Fuses, are they as per Rule YES, are the fuses an Approved Type YES

make of fuses ARTIC REWIREABLE ADM. TY PAT. ENG. ELEC. CART. are all fuses labelled YES If circuit breakers are provided for the generators, at what overload do they operate 150% FL CURRENT, and at what current do the reverse current protective devices operate 15% FL CURRENT

Cables, are they insulated and protected as per Rule 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 <6% BB. volts. 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, high temperatures or risk of mechanical damage YES, are any cables laid under machines or floorplates YES, if so, are they adequately protected YES State type of cables (if in conduit this should also be stated) in machinery spaces VRLC, VRLCAB, VCLCAB, VCLC, galleys —

and laundries — State how the cables are supported or protected CLIPPED ON SOLID OR PERFORATED STEEL TRAY, RUN IN PIPE OR CLIPPED DIRECT TO SHIPS STRUCTURE

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 YES 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 —



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.

J. Charters



Electrical Contractors.

Date 30/IX/59

COMPASSES.

Have the compasses been adjusted under working conditions. Yes

FERGUSON, BROTHERS (PORT-GLASGOW), LTD.

A. J. Hanson DIRECTOR

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. No If not, state date of approval. 3-6-59.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. No

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.) The electrical installation has been fitted on board this vessel under special survey, tested under working conditions, and found satisfactory. Workmanship and material used was satisfactory.

20-10-59

5m.66-Transfer. (MADE AND PRINTED IN ENGLAND) (The Surveyors are requested not to write on or below the space for Committee Minutes.)

Total Capacity of Generators 130 Kilowatts.

The amount of Fee ... £ 61 : 10 : - When applied for, 20/IX/59

Travelling Expenses (if any) £ 1 : 15 : - When received, 19

F. P. Drum
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 27 OCT 1959

Assigned SEE ACCOMPANYING MACHINERY REPORT



© 2021

Lloyd's Register Foundation