

Rpt. 13.

No. 153834

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 19__ When handed in at Local Office 19__ Port of 15712/59
 No. in Survey held at Birkenhead Date, First Survey 11/1/1960 Last Survey 11/1/1960
 Reg. Book. (No. of Visits 3) Gross 159
 on the "PEA COCK" Tons Net
 Built at Birkenhead By whom built Cammell Laird & Co Yard No. 1298 When built 1959
 Owners North West Twp. Ltd. Port belonging to Liverpool
 Installation fitted by Builders 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. No Radar No

Plans, have they been submitted and approved Yes System of Distribution Two wire insulated Voltage of Lighting 220
 Heating 220 Power 220 D.C. or A.C., Lighting 3 C 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 No 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 Yes Position of Generators In main engine room

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 In main 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 STINDANYO, 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 1 X 125 amp., 1 X 50 amp., D.P. circuit breakers fitted with
 overloads and no volt - no close aux. contacts

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 9 X 30 amp., 2 X 60 amp., D.P. switches with a
 fuse in each pole.

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 - 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 G.E.C. rewirable, are all fuses labelled Yes If circuit breakers are provided for the generators, at what
 overload do they operate 125% Full load current, and at what current do the reverse current protective
 devices operate - 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% 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 V.C.L.C.B. V.R.L.C.B., galleys -

and laundries - State how the cables are supported or protected Clipped on steel tray, or metal or
 wood frame work, run in pipe on conduit.

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 -



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P/c

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 of



Electrical Contractors.

Date

COMPASSES.

Have the compasses been adjusted under working conditions

FOR AND ON BEHALF OF
CAMMELL, LAIRD & COMPANY
(Shipbuilders & Engineers) LIMITED

Yes

J. F. Brown
Director &
Ship Technical Manager

Builder's Signature.

Date 10 FEB 60

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

22-6-59

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

Yes

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

The electrical equipment in this vessel was installed under Special Survey, tested under working conditions and found to be satisfactory.

The materials used and the workmanship, so far as can be seen, are good.

Total Capacity of Generators 35 Kilowatts.

The amount of Fee ... £ 35 : -

When applied for,

22/2/60

When received,

19

Travelling Expenses (if any) £

W. Feanell

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

LIVERPOOL 22MAR1960

Assigned

See J.E. Mach?



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