

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

5 SEP 1949

Date of writing Report 23-8-49 19 When handed in at Local Office 18th August 1949 Port of Sunderland
 No. in Survey held at Sunderland Date, First Survey 12-7-49 Last Survey 19-8-49 19
 Reg. Book. (No. of Visits 5)
 40048 on the s.s. "POOLE RIVER" Tons { Gross 1366 Net 662
 Built at Sunderland By whom built Wm. Pickersgill & Sons Ltd Card No. 313 When built 1949
 Owners British Electricity Authority Port belonging to London.
 Installation fitted by Sunderland Forge & Engineering Co. Ltd When fitted 1949
 Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. no E.S.D. yes Gy.C. no Sub.Sig. no Radar no

Plans, have they been submitted and approved yes System of Distribution two-wire ins. Voltage of Lighting 110
 Heating 110 Power 110 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 yes Are turbine emergency governors fitted
 with a trip switch - Generators, are they compound wound yes, and level compounded under working conditions yes
 if not compound wound state distance between generators - and from switchboard - Are the generators arranged to run
 in parallel no, 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 yes
 Position of Generators on raised flat aft end of 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 on angle framework
 adjacent to generators
 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 Ebony 'Syndanyo' 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 a double pole, quick-break knife switch and double
 pole fuse.

and the switch and fuse gear (~~or circuit breakers~~) for each outgoing circuit as for generators

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard two
 ammeters two 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 E. lamps

Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes
 make of fuses G.E.C., 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 -

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule yes

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 less than 6 v. 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,
 high 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 -
 or of the "HR" type - State how the cables are supported or protected engine rm and fowrad mains are VIR
 in steel conduit : in accommodation, L.C. cables on the surface clipped to wooden grounds.

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 -

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory. yes

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.

Sunderland Forge & Eng Co Ltd

Electrical Contractors.

Date *23-8-1949*

N. G. Gifford

COMPASSES.

Have the compasses been adjusted under working conditions. *yes*

Wm. PICKERSGILL & SONS, LIMITED.

E. W. Gifford

Builder's Signature.

Date

DIRECTOR

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. *S.S. "POOLE HARBOUR"*

Plans. Are approved plans forwarded herewith. *no* If not, state date of approval. *24.6.48*

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

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

The Electrical equipment of this vessel has been installed under special survey in accordance with the approved plans and the "Rules For Electrical Equipment" : The materials and workmanship are good : Upon completion, trials of the equipment were witnessed as satisfactory and the insulation resistance of all circuits was measured and found good. This equipment is in my opinion suitable for a classed vessel.

noted. P.M. 5/10/49

Total Capacity of Generators. *(1x10, 1x6) 16* Kilowatts.

The amount of Fee ... *£ 20 0 0*

When applied for,

SEP - 3 1949

When received,

Travelling Expenses (if any) £

19

B. D. Gifford
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 7 OCT 1949

Assigned

See F.E. mch. rpt.