

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 Sunderland
 No. in Survey held at Sunderland Date, First Survey 26.4.49 Last Survey 27.6.1949
 Reg. Book. (No. of Visits 7)
96450 on the S.S. "POOLE QUAY" Tons { Gross 1366
 Net 662
 Built at Sunderland By whom built Wm Pickusgill & Son Yard No. 312 When built 1949
 Owners British Electricity Authority Port belonging to London
 Installation fitted by Sunderland Forge & Engineering Co. When fitted 1949
 Is vessel equipped for carrying Petroleum in bulk no Is vessel equipped with D.F. - E.S.D. Yes Gy.C. - Sub.Sig. - Radar -

Plans, have they been submitted and approved Yes System of Distribution Two wire Voltage of Lighting 110
 Heating - 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 Raised flat above thrust block arranged inboard & outboard stbd side
 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 adjacent to generators
arranged fore and aft, facing starboard side.

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 Sindanyo (Ebony finish), 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 Double Pole Double Throw Quick Break Knife
Switch and Double Pole Single Throw Quick Break Knife Switch all
through Double Pole Fuses.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double Pole Double Throw Quick Break
Knife Switch and Double Pole 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 reversed current

protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided Earth
lamps connected to Earth through switches and fuses.

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes
 make of fuses -, 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 < 6.6 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 -, if so, are they

adequately protected - Are cables in machinery spaces, galleys, laundries, etc., lead covered Yes or run in conduit Yes

or of the "HR" type - State how the cables are supported or protected Engine Room and Forward

mains in conduit or plumbers pipe. Lead covered cables in accommodation
shated to wood 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 -



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 SUNDERLAND FORGE & ENGINEERING CO., LTD.

Electrical Contractors.

Date 4/7/49

COMPASSES.

Have the compasses been adjusted under working conditions.

Wm. PICKERSGILL & SONS, LIMITED.

Builder's Signature.

Date July 7th 1949.

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.

"Poole Harbour"

Plans. Are approved plans forwarded herewith.

No.

If not, state date of approval.

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

Generators - 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 and the arrangements are in accordance with or equivalent to those shown on the approved plans and the Rules for Electrical Equipment.

The materials used are of good quality and the workmanship is good.

On completion the equipment was run operated under working conditions with satisfactory results, and the insulation resistance of all circuits measured and found good.

This installation is in my opinion suitable for a classed vessel.

Notes sent 29/7/49

Total Capacity of Generators 16 Kilowatts.

The amount of Fee ... £ 20 : - : When applied for,

JUL 15 1949

When received,

19

Travelling Expenses (if any) £

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 5 AUG 1949

Assigned

See P.E. memo rpt.