

Rpt. 13.

No. 56874

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 19 When handed in at Local Office 19 Received at London Office 12 OCT 1950

No. in Survey held at Beverley Date, First Survey 4. 4. 50 Last Survey 11. 9. 19 50

Reg. Book.

(No. of Visits 9)

95030 on the Steam Trawler "PRINCESS ELIZABETH".

Tons { Gross 810

Net 289

Built at Beverley By whom built Cook, Welton & Gemmell Ltd. Yard No. 824 When built 1950

Owners St. Andrew's Steam Fishing Co., Ltd. Port belonging to Hull

Installation fitted by Wm. Broady & Sons, Ltd. When fitted 1950

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

Plans, have they been submitted and approved Yes System of Distribution two wire Voltage of Lighting 110 - Yes.

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 No 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 Engine room starboard 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 Engine room starboard

side near generator.

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" 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 No. 1 generator circuit breaker with U/V & O/L release,

No. 2 generator - double pole quick break knife switches and double pole fuses.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double pole, double throw, quick break

knife switches and double pole fuses.

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 Lamps

coupled to earth via switches and fuses.

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

make of fuses Dorman Smith & W. are all fuses labelled Yes If circuit breakers are provided for the generators, at what

overload do they operate 25% 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 4V, 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 - 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 In machinery spaces, exposed

positions L.C.A. & B. clipped to tray plates or direct to steelwork; in accommodation

L.C. clipped to wood battens or direct to woodwork.

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 -

Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule Yes Emergency Supply, state position

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Shipping.



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Lloyd's Register
Foundation

002320-002329-0074

PARTICULARS OF GENERATING PLANT.

GENERATOR CABLES.

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

DESCRIPTION.

MOTOR CABLES.

[illegible]

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.

WILLIAM BROADBENT & SON LTD.
10, QUEEN STREET,
HULL

Electrical Contractors.

Date 15. 9. 50

COMPASSES.

Have the compasses been adjusted under working conditions Yes

WILLIAM BROADBENT & SON LTD.

A. Campbell

Builder's Signature.

Date 17. 9. 50

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 Yes If not, state date of approval 3.7.50.

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 was installed in accordance with the approved plans and the Rules.

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

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

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

Total Capacity of Generators 55 Kilowatts.

The amount of Fee ... £ 48 : 5 0 :

When applied for 8 OCT 1950

When received, 19

Travelling Expenses (if any) £ : :

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 27 OCT 1950

Assigned

See F.E. mch. rpt.