

Rpt. 13.

No. 59392

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 16. 4. 19 53 When handed in at Local Office 27 APR 1953 Received at London Office 18 JUN 1953

Port of HULL.

No. in Survey held at HULL. Date, First Survey 20. 3. 53 Last Survey 16. 4. 19. 53
Reg. Book. (No. of Visits 6)on the Steam Trawler "ST. BARTHOLOMEW" Tons { Gross 635
Net 334

Built at Beverley. By whom built Cook, Welton & Gemmell Yard No. 865 When built 1953

Owners North Cape Fishing Co. Ltd. Port belonging to Grimsby.

Installation fitted by Wm. Broady & Son, Ltd. When fitted 1953

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 Radar Yes

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

Heating 110 Power - D.C. or A.C., Lighting - Power - 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 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 Engine Room Starbd. 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 Starbd. side
after bulkhead.

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 Double pole, single throw, 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 reverse current

protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided Lamps

Preference Tripping, state if provided - and tested -

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

make of fuses Dorman Smith & W. Sanders, 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 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 4 volts. 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 - State

type of cables (if in conduit this should also be stated) in machinery spaces L.C.A. & B. galleys L.C.A. & B.

and laundries - State how the cables are supported or protected In Machinery spaces, exposed

positions etc., L.C.A. & B. clipped to steel 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

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

DESCRIPTION OF GENERATOR.		No. of	MAKER.	RATED AT				PRIME MOVER.	
				Kw. per Generator.	Volts.	Ampères.	Revs. per Min.	TYPE.	MAKER.
MAIN	1	Crompton Parkinson ✓							
		F152A1027	20	110	182	500	Steam	Reader 26619 ✓	
	1	-do--do-F82A6037 ✓	10	110	91	1100	Diesel	Ruston & Hornsby 343666	
EMERGENCY ... ROTARY TRANSFORMER									

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NOTE.—Use Rpt. 13 Continuation Sheet if the above space is insufficient.

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. Bushan Electrical Contractors.

Date 22. 4. 53.

COMPASSES.

Have the compasses been adjusted under working conditions.

COOK, WELTON & BENWELL, LTD.

A. D. Campbell
Director

Builder's Signature.

Date 24. 4. 53

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. 30.9.52.

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 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 30 Kilowatts.

The amount of Fee ... £ 30 : 0 : 0

When applied for,

19TH MAY 1953

When received,

19

Travelling Expenses (if any) £ : :

W. G. Connell
Surveyor to Lloyd's Register of Shipping.

Committee's Minute.

TUESDAY 7 JUL 1953

Assigned

See F.E. Mch. spl.



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