

Rpt. 13

No. 8848

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

Date of writing Report 3. 7. 19 61 When handed in at Local Office 19 Port of PLYMOUTH

No. in Survey held at APPELDRE Date, First Survey 23.3.61. Last Survey 14.4. 19 61.
Reg. Book (No. of Visits Five.)94362 on the " ALICE " Tons { Gross 37.92
Net Nil.

Built at Appledore By whom built P.K. Harris & Sons Ltd. Yard No. 133 When built 1961 4

Owners The Admiralty Port belonging to ---

Installation fitted by Mann, Egerton & Co. Ltd., Norwich When fitted 1961

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 2 wire constant pressure Voltage of Lighting 220

Heating 220 Power 220 D.C. or A.C. Lighting DC 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 Positive

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 Port & Starboard Mid

Ship position 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 Starboard side Aft

end of 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 Dead front insulated with paxolin & Porcelain

material is it an Approved Type Yes, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as

per Rule Yes 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 Switches & Fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit Double Pole Switches & Fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 2

ammeters 2 voltmeters None 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

Double Pole Switches & Fuses Preference Tripping, state if provided None, and tested ---

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

make of fuses Artic, 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 10 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 Butyl, Fire resist^{ng} covered, galleys ---

and laundries --- State how the cables are supported or protected Cable trays clipped to

Bulkheads & Deckheads

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 ---

— — —

Secondary Batteries, are they constructed, fitted and adequately ventilated as per Rule.....

Lighting, is fluorescent lighting fitted.....No..... If so, state nominal lamp voltage.....--..... and compartments where lamps are fitted.....--.....

Heating and Cooking, is the general construction as per Rule.....Yes....., are the frames effectually earthed.....Yes....., are heaters in the

Are motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule... Yes.....

Ships carrying Oil having a Flash Point of less than 150° F. Have all the special requirements of the Rules for such ships been complied

rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships. --- Are all cables lead covered as per Rule. ---

Spare Gear, if the vessel is for open sea service have spares been provided as per Rule and suitably stored in dry situations. Yes

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	2	David McClure	10	220	46	1800	FR2MA Diesel	ListerBlackstone
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.

A. H. Egerton for *Mann Egerton & Co. Ltd.* Electrical Contractors. Date *5th July 1961*
MANN EGERTON & CO. LTD.,
C/O MESSRS P. K. HARRIS & SONS LTD.,
DEVON.
TELE: NORTHAM 7.

COMPASSES

Have the compasses been adjusted under working conditions Yes

[Signature] Builder's Signature. Date *5th July, 1961.*

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 *13.1.61. & 9.2.61.*

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.)

This Electrical Equipment has been installed under Special Survey in accordance with the requirements of the Rules and the approved plans.

The quality of the material and of the workmanship is good, the installation has been satisfactorily tested under full load conditions and the insulation resistance tested and found satisfactory.

Total Capacity of Generators 20 Kilowatts.

The amount of Fee ... £ 20 : 0 : When applied for, 14.7. 19 61.

Travelling Expenses (if any) £ 7 : 0 : When received, 19.

[Signature]
Surveyor to Lloyd's Register of Shipping
(R. E. Pritchard)

Committee's Minute FRIDAY 29 SEP 1961

Assigned *[Signature]*



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