

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 1-7-47 When handed in at Local Office 16 JUL 1947 Received at London Office 16 JUL 1947

No. in Survey held at Louisalett Port of Ipswich Date, First Survey 7 May Last Survey 20-6-1947

Reg. Book. on the motor launch "BOSTON MOSQUITO" Tons { Gross Net

Built at Louisalett By whom built Richards Ironworks Ltd. Yard No. 373 When built 1947

Owners Boston Deep Sea Fishing & Ice Co. Ltd. Port belonging to Louisalett

Electrical Installation fitted by Mann, Egerton & Co. Ltd. Contract No. When fitted 1947

Is vessel fitted for carrying Petroleum in bulk Is vessel equipped with D.F. E.S.D. Gy.C. Sub.Sig.

Have plans been submitted and approved System of Distribution Low wire Voltage of supply for Lighting 220

Heating 220 Power 220 Direct or Alternating Current, Lighting Direct Power If Alternating Current state frequency Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off Are turbine emergency governors fitted with a

trip switch as per Rule Generators, are they compound wound, are they level compounded under working conditions

if not compound wound state distance between generators and from switchboard Where more than one generator is fitted are they

arranged to run in parallel, are shunt field regulators provided 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 and the results found as per rule Are the lubricating arrangements and the construction

of the generators as per rule Position of Generators Engine Room

is the ventilation in way of generators satisfactory are they clear of inflammable material, if situated

near unprotected combustible material state distance from same horizontally and vertically are the generators protected from mechanical

injury and damage from water, steam and oil are the bedplates and frames earthed and the prime movers and generators in metallic

contact Switchboards, where are main switchboards placed Engine Room

are they in accessible positions, free from inflammable gases and acid fumes are they protected from mechanical injury and damage from water, steam

and oil, if situated near unprotected combustible material state distance from same horizontally and vertically, what insulation

material is used for the panels Intiroh, if of synthetic insulating material is it an Approved Type, if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule Is the frame effectually earthed

Is the construction as per Rule, including accessibility of parts, absence of fuses on the back of the board, individual fuses

to pilot and earth lamps, voltmeters, etc., locking of screws and nuts, labelling of apparatus and fuses, fuses on the "dead"

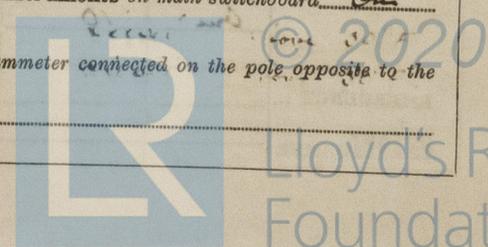
side of switches Description of Main Switchgear for each generator and arrangement of equaliser switches Double Pole

and for each outgoing circuit Double Pole

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

ammeters, voltmeters, synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Earth Testing, state means provided Both lamps.



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.

Pulchian Manager, Electrical Department.
Mann Egerton & Co. Ltd.,
21/23, King Street, Norwich.

Electrical Engineers.

Date 10th July 47.

COMPASSES.

Minimum distance between electric generators or motors and standard compass.....

Minimum distance between electric generators or motors and steering compass.....

The nearest cables to the compasses are as follows:—

A cable carrying *12* Ampères *0.8* feet from standard compass *12* feet from steering compass.

A cable carrying *✓* Ampères *✓* feet from standard compass *✓* feet from steering compass.

A cable carrying *✓* Ampères *✓* feet from standard compass *✓* feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power *✓*

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted *✓*

The maximum deviation due to electric currents was found to be *no* degrees on *all* course in the case of the standard compass, and *no* degrees on *all* course in the case of the steering compass.

Builder's Signature *[Signature]* Date *10-7-47*

Is this installation a duplicate of a previous case *✓* If so, state name of vessel *"BOSTON SPITFIRE"*

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

*The installation has been fitted on board this vessel in accordance with the approved plans, Rule requirements & Secretary's letter.
The materials & workmanship are of good description.
The installation has been examined under working conditions & found satisfactory.*

Total Capacity of Generators *25* Kilowatts.

The amount of Fee ... £ *12 : 10 : 0* } When applied for, *16 JUL 1947*
Travelling Expenses (if any) £ : : } When received, *19*

Joyson
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 29 AUG 1947*
Assigned *Su P.E. mclay. opt.*

2m.10.38.—Transfer. (MADE IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

