

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office... MAY 29 1940

Date of writing Report... 9-4-1940 When handed in at Local Office... 25 MAY 1940 Port of... HULL

No. in Survey held at... Hull Date, First Survey... 14. 12. 39 Last Survey... 20. 4. 1940
Reg. Book. (Number of Visits... 14.)

on the... H.M.S. BIRCH Tons { Gross... 452 Net... 144

Built at... Beverley By whom built... Cook, Weller & Gurnall & Co. Yard No... 652 When built... 1940-4

Owners... The Admiralty Port belonging to...

Electrical Installation fitted by... Wm Broady & Co. Contract No... When fitted... 1940-4

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

Have plans been submitted and approved... Yes System of Distribution... Parallel-constant current two-bore Voltage of supply for Lighting... 110

Heating... 110 Power... 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... Yes Are turbine emergency governors fitted with a

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

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... Yes Is the compound winding connected to the negative or positive pole

Positive 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... The Generators have been supplied & inspected by the Admiralty and the results found as per rule... Are the lubricating arrangements and the construction

of the generators as per rule... Yes Position of Generators... Engine Room

is the ventilation in way of generators satisfactory... Yes are they clear of inflammable material... Yes, 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... Yes are the bedplates and frames earthed... Yes and the prime movers and generators in metallic

contact... Yes Switchboards, where are main switchboards placed... Engine Room adjacent to Generator

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

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

material is used for the panels... Units mounted on frame work insulated with mica strips... 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 frame effectually earthed... Yes

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

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

side of switches... Yes Description of Main Switchgear for each generator and arrangement of equaliser switches...

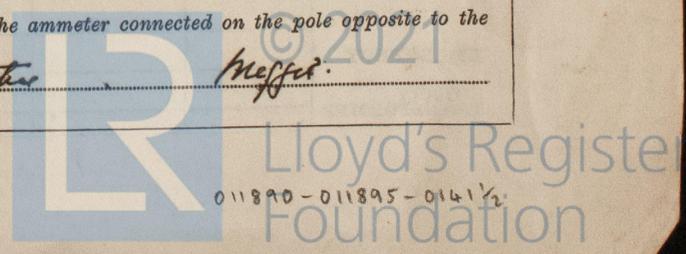
DP. Switches & fuses.

and for each outgoing circuit... DP. Switches & fuses.

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

ammeters... One 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... Earth lamps & switches Meffer.



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.

WM BROADY & SON LTD.
ENGLISH STREET,
MILLS.

Electrical Engineers.

Date 15th May 1940

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 Ampères feet from standard compass feet from steering compass.

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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 degrees on course in the case of the

standard compass, and degrees on course in the case of the steering compass.

Builder's Signature. Date.....

Is this installation a duplicate of a previous case..... If so, state name of vessel.....

STANDARD
ADMIRALTY
TRAWLER

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

This installation has been fitted on board in accordance with the approved Admiralty plans & requirements & the Societies' Rules.

The workmanship & materials are good & when subjected to the tests required by the Admiralty & those prescribed in the Rules & also when tried under full working conditions the installation was found satisfactory in every respect.

The requisite stores & spare gear have been demanded & checked on board the vessel.

Noted
J.P.
30/5/40

Total Capacity of Generators..... 15 Kilowatts.

The amount of Fee When applied for,19.....
Travelling Expenses (if any) When received,19.....

Included tests machinery

Dicky J. Johnson
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 4 JUN 1940

Assigned See Vol 76. 50675

2m. 10. 38.—Transfer. (MADE IN ENGLAND.)
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

