

## REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

12 MAY 1942

Received at London Office.

Date of writing Report... 17. 4. 1942 When handed in at Local Office... 11 MAY 1942 Port of... HULL

No. in Survey held at... Hull Date, First Survey... 11. 12. 41. Last Survey... 11. 4. 1942. (Number of Visits... 8.)

Reg. Book. on the S. Trawl **BONITO** Tons { Gross... 387. Net... 127.

Built at... Selby By whom built... C. Evans &amp; Son Ltd. Yard No. 1239 When built... 1942-4

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

Electrical Installation fitted by... L. M. Broady &amp; Son Ltd. Contract No. ✓ When fitted... do

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 pressure 240V Voltage of supply for Lighting... 110

Heating... 110 Power... 110 Direct or Alternating Current, Lighting... D.C. Power... DC If Alternating Current state periodicity... ✓ Prime Movers,

has the governing been tested and found as per Rule when full 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... Yes, 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... Admiralty Supply 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... Insulation mounted on frame work with mica strip insulation, 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... 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 &amp; fuses

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

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule... ✓ 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 &amp; switches.

Switches, Circuit Breakers and Fuses, are they as per Rule... Yes, are the fuses an approved type... Yes, are all fuses labelled as

per Rule... Yes If circuit breakers are provided for the generators, at what overload current did they open when tested... ✓, are the reversed current

protection devices connected on the pole opposite to the equaliser connection... ✓, have they been tested under working conditions, and at what current

did they operate... ✓ Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule... Yes.

Cables, are they insulated and protected as per the appropriate Tables of the Rules... 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 the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets... Yes. Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓

Are paper insulated and varnished cambric insulated cables sealed at the ends... ✓







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.  
HULL

Electrical Engineers.

Date 18.4.42

#### 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.

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, motor and other electro-magnetic apparatus within the vicinity of the compasses been noted

The maximum deviation due to electric current 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

No

If so, state name of vessel

1<sup>st</sup> of Fish (ex Gulfoss) CLASS.

Plans. Are approved plans forwarded herewith

No

If not, state date of approval

16-9-41

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith

✓

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

This Electrical installation has been fitted on board, in accordance with the approved plans. The Society's rules, the Admiralty requirements & the Specifications. When tested under working conditions & as specified in the Rules it was found satisfactory in every respect.

Noted

15/5/42

Total Capacity of Generators 15 Kilowatts.

The amount of Fee ... £ 30 : 0 :

When applied for,

5 MAY 1942

Travelling Expenses (if any) £ :

When received,

7 MAY 1942

Committee's Minute

WED. 27 MAY 1942

Assigned

See Inl. J.E. 51601

Lloyd's Register of Shipping



© 2021

Lloyd's Register Foundation