

Rpt. 13.

No. 50402

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

DEC 12 1939

11 DEC 1939

Received at London Office

Date of writing Report... 20-11-39 When handed in at Local Office... 19... Port of... HULL

No. in Survey held at... Hull. Date, First Survey... 3. 11. 39. Last Survey... 11. 11. 39.
Reg. Book. (Number of Visits... 3...)on the... Steam Trawler... LADY LILIAN Tons { Gross... 581
Net... 214

Built at... Berkeley By whom built... Cook, McNeill & Gammell & Co. Yard No. 850. When built... 1939-11

Owners... Tuttlance Amalgamated Trawlers Ltd. Port belonging to... Hull.

Electrical Installation fitted by... Humber Shipwrights Ltd. Contract No. ... When fitted... 1939-11.

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

Have plans been submitted and approved... No. System of Distribution... Parallel - Contactor System - Voltage of supply for Lighting... 110

Heating... 110 Power... No. 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... No, are shunt field regulators provided... Yes. 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... Yes. Are the lubricating arrangements and the construction

of the generators as per rule... Yes. Position of Generators... Engine room, starboard side, fore & aft

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 generators.

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... Slate, 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... Yes. 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...

D.P. linked switches & fuses. Separate bus bars to each dynamo.

and for each outgoing circuit... D.P. linked change over switches & fuses.

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

ammeters... 2 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... Cork lamps & change over switches

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.

THE HUNTER

Fred Green
Manager & Secretary

Electrical Engineers.

Date *Nov 24* 1939

COMPASSES.

Minimum distance between electric generators or motors and standard compass *80 feet.*

Minimum distance between electric generators or motors and steering compass *70 feet.*

The nearest cables to the compasses are as follows:—

A cable carrying *4* Ampères *to* feet from standard compass *to* feet from steering compass.

A cable carrying *4* Ampères *12* feet from standard compass *2* 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 *lps.*

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

The maximum deviation due to electric currents was found to be *else* degrees on *any* course in the case of the standard compass, and *else* degrees on *any* course in the case of the steering compass.

WELTON & GEMMELL LTD
Manager Builder's Signature. Date *Nov. 28* 1939

Is this installation a duplicate of a previous case *No*. If so, state name of vessel *Duplicate of 1938*

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

This Electric installation has been fitted on board in accordance with the Rules & under Special Survey. The workmanship & materials are good & when tested as prescribed by the Rules it was found satisfactory in every respect. With the exception of the fuses on the sub distribution boards which are not of an approved type. Owing to supply difficulties the Contractor have not been able to replace these before the vessel sailed, but will do so as soon as supplies become available & probably on the vessel's return in about 3 weeks.

W. H. L.
15/12/39.

Total Capacity of Generators *12* Kilowatts.

The amount of Fee ... £ *5 : 0*

When applied for
11 DEC 1939

Travelling Expenses (if any) £ : :

When received
11/11/40

Dyke & L. J. Hollands
Surveyor to Lloyd's Register of Shipping.

WED 20 DEC 1939

Committee's Minute

Assigned *See Hnd F.E 50402*