

Rpt. 13.

No. 40264

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 19 When handed in at Local Office 28. 12. 1929 Port of HULL Received at London Office 30 DEC 1929

No. in Survey held at Hull. Date, First Survey 2. 12. 29. Last Survey 19. 12. 1929

Reg. Book. on the Steam Trawler "LADY ENID" (Number of Visits 8)

Built at Beverley By whom built Wm. Bell & Co. Hull Yard No. 534 When built 1929

Owners Messrs. Amalgamated Traders Ltd. Port belonging to Hull.

Electric Light Installation fitted by Wm. Bell & Co. Ltd. Contract No. When fitted 1929.

Tons { Gross 356.36 Net 149.29

System of Distribution

Two wire

Pressure of supply for Lighting 100 volts, Heating ✓ volts, Power ✓ volts.

Direct or Alternating Current, Lighting Direct current Power ✓

If alternating current system, state frequency of periods per second ✓

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off? Yes

Generators, do they comply with the requirements regarding rating? Yes, are they compound wound? Yes

are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator ✓

Where more than one generator is fitted are they arranged to run in parallel? ✓, is an adjustable regulating resistance fitted in series with each shunt field? Yes

Are all terminals accessible, clearly marked, and furnished with sockets? ✓, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched? Yes

Are the lubricating arrangements of the generators as per Rule? Yes

Position of Generators Starboard side of engine room

is the ventilation in way of the generators satisfactory? Yes, are they clear of all inflammable material? Yes

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators ✓ and ✓, are the generators protected from mechanical injury and damage from water, steam or oil? Yes

are their axes of rotation fore and aft? Yes

Earthing, are the bedplates and frames of the generating plant efficiently earthed? Yes, are the prime movers and their respective generators in metallic contact? Yes

Main Switch Boards, where placed Beside generator in engine room

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard? ✓

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes? Yes

are they protected from mechanical injury and damage from water, steam or oil? Yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards ✓ and ✓

are they constructed wholly of durable, non-ignitable non-absorbent materials? Yes, is all insulation of high dielectric strength and of permanently high insulation resistance? Yes

if semi-insulating material is used, are all conducting parts insulated from the slab with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework? ✓

and is the frame effectively earthed? Yes. Are the fittings as per Rule regarding:— spacing or shielding of live parts? Yes

accessibility of all parts? Yes, absence of fuses on back of board? Yes, proportion of omnibus bars? Yes

individual fuses to voltmeter, pilot or earth lamp? Yes, connections of switches? Yes

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Double pole

linked switch for dynamo. Outgoing circuits controlled by S.P. switches & protected by fuses on each pole

Instruments on main switchboard One ammeters One voltmeters ✓ Synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system

Earth lamps with separate switches

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules? Yes

Joint Boxes Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule? Yes

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
 The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
 The foregoing is a correct description.

W.M. BROADY & SON,
 ENGLISH STREET,
 DUBLIN.

Electrical Engineers.

Date Dec. 18-1929.

COMPASSES.

Distance between electric generators or motors and standard compass 60 feet
 Distance between electric generators or motors and steering compass 60 feet
 The nearest cables to the compasses are as follows:—
 A cable carrying .5 Ampères To feet from standard compass To feet from steering compass.
 A cable carrying .5 Ampères To feet from standard compass To feet from steering compass.
 A cable carrying .5 Ampères To feet from standard compass To feet from steering compass.
 Have the compasses been adjusted with and without the electric installation at work at full power Yes
 Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted Yes
 The maximum deviation due to electric currents was found to be no degrees on any course in the case of the standard compass, and no degrees on any course in the case of the steering compass.

COOK, WELTON & GEMMELL, LTD.,

Alfred Liviale Builder's Signature.

Date Dec 1929

Secretary & Director

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

General Remarks (State quality of workmanship, opinions as to class, etc.) The electrical installation of this vessel has been fitted on board under special survey, tried under full working conditions of found in good order. It is sigible in my opinion to have need of Electric Light.

Backlight
21/1/30

Total Capacity of Generators 4 1/2 Kilowatts.

The amount of Fee ... £ 3 : 0 : 29. 12. 1929
 Travelling Expenses (if any) £ : : 11. 1. 1930

John Mackintosh
 Surveyor to Lloyd's Register of Shipping.

FRI. 3 JAN 1930

Committee's Minute
Assigned Elec Light

1m. 1. 27.—Transfer.
 (The Surveys are requested not to write on or below the space for Committee's Minute.)

