

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

APR 24 1937

Received at London Office

Date of writing Report 21.4.37 When handed in at Local Office 23 APR 1937 Port of HULL
 No. in Survey held at Hull. Date, First Survey 5/4/37 Last Survey 14/4/1937
 Reg. Book. 68311 on the Steam Trawler "LADY SHIRLEY" (Number of Visits.....3)
 Tons { Gross 471.85
 Net 176.57
 Built at Beverley. By whom built Hook, Welton & Gemmel L^{td} Yard No. 615. When built 1937.4
 Owners Jutland Amalgamated Trawlers L^{td} Port belonging to Hull.
 Electric Light Installation fitted by Humber Shipwright Co., L^{td} Contract No. When fitted 1937.
 Is the Vessel fitted for carrying Petroleum in bulk No.

System of Distribution Two Wire Insulated
Pressure of supply for Lighting 100 volts, Heating 100 volts, Power volts.
Direct or Alternating Current, Lighting Direct. 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 temperature rise 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 No., is an adjustable regulating resistance fitted in series with each shunt field
 approved Have certificates of test results for machines under 100 kw. been submitted and
 approved Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing
 Are all terminals accessible, clearly marked, and furnished with sockets Yes., are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched
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 generators.
 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., is it of an approved type 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 Yes., is the non-hygroscopic insulating material of an approved type Yes., and is the frame effectively earthed Yes. Are the fittings as per Rule regarding:— spacing or shielding of live parts , accessibility of all parts Yes., absence of fuses on back of board Yes., temperature rise of omnibus bars , individual fuses to voltmeter, pilot or earth lamp Yes., are moving parts of switches alive in the "off" position No. are all screws and nuts securing connections effectively locked Yes. are any fuses fitted on the live side of switches
Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches Dynamo :- Double pole linked switch Outgoing Circuits :- Double pole switches.
 Are turbine driven generators fitted with emergency trip switch as per rule Are cupboards or compartments containing switchboards composed of fire-resisting material or lined with approved material
Instruments on main switchboard Two ammeters Two voltmeters synchronising device for paralleling purposes. For compound machines is the ammeter connected on the opposite pole to equaliser connection
Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system Earth lamps.
Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules Yes. are the fusible cutouts of an approved type Yes. have the reversed

All Conductors are of annealed copper conforming to British Standard Specification No. 7 (or International Electro-technical Commission Publication No. 28).

The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.

The foregoing is a correct description.

THE HUMBER SHIPWRIGHT CO. LTD.
ST. ANDREW'S DOCK, HULL.

Fred Green
Secretary

Electrical Engineers.

Date 17th April 1937

COMPASSES.

Distance between electric generators or motors and standard compass 68 ft.

Distance between electric generators or motors and steering compass 65 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 0.5 Amperes No feet from standard compass feet from steering compass.

A cable carrying 0.5 Amperes No feet from standard compass feet from steering compass.

A cable carrying - Amperes - feet from standard compass - 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.

A. D. Campbell
CHIEF DRAUGHTSMAN

Builder's Signature.

Date 13.4.37

Is this installation a duplicate of a previous case No If so, state name of vessel

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 working conditions and found satisfactory

Noted

KW

26.4.37

Total Capacity of Generators 11 Kilowatts.

The amount of Fee ... £ 5 : 10

When applied for,
23 APR 1937

Travelling Expenses (if any) £ :

When received,
11/5/37

J. A. Orde

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 30 APR 1937

Assigned

See Inv. 76
47765

750336 - Transfer.
The Surveyors are requested not to write on or below the space for Committee's Minutes.



© 2020

Lloyd's Register
Foundation