

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office - 3 DEC 1929

Date of writing Report 29:11:29 When handed in at Local Office 29 Nov 1929 Port of HULL

No. in Survey held at Hull. Date, First Survey 11 Nov Last Survey 25 Nov 1929

Reg. Book. 10709 on the Steam Trawler "CASSIO" (Number of Visits.....)

Built at Beverley By whom built Cook, Winton & Gemmell Yard No. 530 When built 1914

Owners Hull Northern Fishing Co Ltd Port belonging to Hull

Electric Light Installation fitted by Wm Brady Sons Ltd Contract No. When fitted 1929

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. Yes, are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched. Yes

Position of Generators Starboard side of engine room, are they clear of all inflammable material. Yes

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. Direct coupled.

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.

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.

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches. S.P. linked

Switch for generator. 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.

Wm. BROADY & SON  
ENGLISH STREET,  
LONDON

Electrical Engineers.

Date 15<sup>th</sup> Nov. 1929.

COMPASSES.

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

Distance between electric generators or motors and steering compass.

The nearest cables to the compasses are as follows:—

A cable carrying .5 Ampères To 7 feet from standard compass 7 feet from steering compass.

A cable carrying .5 Ampères To 7 feet from standard compass 7 feet from steering compass.

A cable carrying .5 Ampères To 7 feet from standard compass 7 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 0 degrees on any course in the case of the standard compass, and 0 degrees on any course in the case of the steering compass.

Builder's Signature.

Date

Is this installation a duplicate of a previous case? Yes If so, state name of vessel "Orsino"

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 and found in good order. It is eligible in my opinion to have record of "Electric Light".

It is submitted that this vessel is eligible for THE RECORD.

See light

J. B. [Signature] 3/12/29

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 : 0 Dec 19 29

Travelling Expenses (if any) £ : : 11-1-30

John Broadly  
Surveyor to Lloyd's Register of Shipping.

FRI. 6 DEC 1929

Committee's Minute

Assigned

See light



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