

Rpt. 13.

No. 39590

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

2 FEB 1929

Date of writing Report - 1 FEB 1929 When handed in at Local Office - 1 FEB 1929 Port of Hull

No. in Survey held at Hull Date, First Survey 19 Jan Last Survey 26 Jan 1929
Reg. Book. 61002 on the Steam Trawler "FLEMING" (Number of Visits.....)Built at Burnley By whom built Cook, Wilm & Hammett Yard No. 512 Tons { Gross 356.27
Net 158.72
When built 1929

Owners F. & T. Ross Ltd Port belonging to Hull

Electric Light Installation fitted by W. Brady & Son Ltd Contract No. ✓ When fitted 1929

System of Distribution

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

Direct or Alternating Current, Lighting bi-sect 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

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 -

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 - bi-sect compld. ✓

Main Switch Boards, where placed Starboard side of 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 -

with mica or micanite or other non-hygroscopic insulating material, and the slab similarly insulated from its framework Yes -

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 -

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

Back circuit 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 -



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W395-0153(112)

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,
DUBLIN.

Electrical Engineers.

Date 24/1/29.

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 feet from standard compass feet from steering compass.

A cable carrying 5 Ampères To 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. 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 40 degrees on any course in the case of the standard compass, and 40 degrees on any course in the case of the steering compass.

COOK, WELTON & GEMMELL, LTD.,

Chief Engineer

Builder's Signature.

Date 28 JAN 1929

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

General Remarks (State quality of workmanship, opinions as to class, &c.) The electrical installation of this vessel has been fitted on board under special survey, tried under full working conditions & 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.

Electric Light

4/2/29

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 : When applied for, 1 Feb 29.

Travelling Expenses (if any) £ : : When received, 12/3/29.

John H. Mackintosh
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

Electric Light



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