

# REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 14.10.29 When handed in at Local Office 14 Oct 29 Port of Hull Received at London Office 15 OCT 1929

No. in Survey held at Hull Date, First Survey 25 Sept Last Survey 8 Oct 1929  
Reg. Book. 17305 on the Steam Trawler "STALBERG" (Number of Visits 4)

Built at Lelby By whom built Cochrane Bros Ltd Yard No. 1054 When built 1929  
Tons { Gross 354.53  
Net 152.69

Owners Consolidated Fisheries Ltd Port belonging to Grimsby

Electric Light Installation fitted by Humber Electrical Co Ltd Contract No. 1929 When fitted 1929

## System of Distribution

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 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 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 ✓ 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

Outgoing circuits controlled by SP. 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



If portable lamps for use in dangerous spaces are supplied, are they of a type approved by the Home Office ☒

MOTOR CONDUCTORS.									
Ref. No.	DESCRIPTION.	No. of Motors.	Effective Area of each Conductor. Sq. Ins.	COMPOSITION OF STRAND.		Total Maximum Current. Amperes.	Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
				No.	Diameter.				
	BALLAST PUMP ... ..								
	MAIN BILGE LINE PUMPS ... ..								
	GENERAL SERVICE PUMP ... ..								
	EMERGENCY BILGE PUMP ... ..								
	SANITARY PUMP ... ..								
	CIRC. SEA WATER PUMPS ... ..								
	CIRC. FRESH WATER PUMPS ... ..								
	AIR COMPRESSOR ... ..								
	FRESH WATER PUMP ... ..								
	ENGINE TURNING GEAR ... ..								
	ENGINE REVERSING GEAR ... ..								
	LUBRICATING OIL PUMPS ... ..								
	OIL FUEL TRANSFER PUMP ... ..								
	WINDLASS ... ..								
	WINCHES, FORWARD ... ..								
	WINCHES, AFT ... ..								
	STEERING GEAR—								
	(a) MOTOR GENERATOR ... ..								
	(b) MAIN MOTOR ... ..								
	WORKSHOP MOTOR ... ..								
	VENTILATING FANS ... ..								



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.

FOR THE HUNTER ELECTRICAL ENGINEERING CO.

*W.B. Shuttleworth*  
Electrical Engineers.

Electrical Engineers.

Date

#### 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 *3* Ampères *To* feet from standard compass feet from steering compass.

A cable carrying *3* 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 *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.

FOR COCHRANE & SONS, LTD.

*W.B. Shuttleworth*  
DIRECTOR

Builder's Signature.

Date *10 OCT. 1929*

Is this installation a duplicate of a previous case *Yes* If so, state name of vessel *Hekla*

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, examined under full working conditions & found in good order. It is eligible in my opinion to have record of Electric Light & Wireless.*

*Electric Light*

*W.B.*

*16/10/29*

Total Capacity of Generators *5* Kilowatts.

The amount of Fee ... £ *3* : 0 : *14 Oct. 1929*

Travelling Expenses (if any) £ : : *16.10.29*

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

Committee's Minute *FRI. 18 OCT 1929*

Assigned

*Electric Light*



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Foundation