

Rpt. 13.

No. 39894.

REPORT ON ELECTRIC FITTINGS.

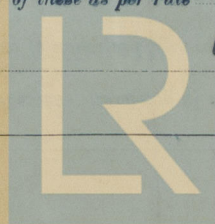
(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report *May 5: 1929* When handed in at Local Office *27 May 1929* Port of *HULL* Received at London Office *28 MAY 1929*No. in Survey held at *Hull* Date, First Survey *14 May* Last Survey *18 May 1929*
Reg. Book. *61512* on the *Steam Trawler "KINGSTON TURQUOISE"* (Number of Visits *2*)Built at *Beverley* By whom built *C. H. Bell & Co. Ltd.* and No. *519* When built *1929*
Owners *Kiplin S. Trawling Co. Ltd.* Port belonging to *Hull*Electric Light Installation fitted by *Wm. Broady & Sons Ltd.* Contract No. *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 *50*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 *Yes*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 *Yes*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 andtheir 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 *Yes*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 unprotectedwoodwork 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 ofpermanently high insulation resistance *Yes*, if semi-insulating material is used, are all conducting parts insulated from the slabwith 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 omnibusbars *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

*Main circuits controlled by S.P. Switches & protected by fuses on each pole.*Instruments on main switchboard *One* ammeters *One* voltmeters *Yes* 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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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. (Load 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.

WM. BROADY & SON,
ENGLISH STREET,
LONDON.

Electrical Engineers.

Date 16th May 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 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

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted

The maximum deviation due to electric currents was found to be degrees on course in the case of the standard

compass, and degrees on course in the case of the steering compass.

COOK, WELTON & GEMMELL, LTD.,

Builder's Signature. Secretary & Director

Date 18/5 1929

Is this installation a duplicate of a previous case

If so, state name of vessel

Kington Pacific

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 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.

Elec. light.

HRW

31.5.29

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 :

When applied for,

19

When received,

21.6.29

Travelling Expenses (if any) £ :

Committee's Minute

Assigned

Elec Light



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