

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 4:7:30 1930 When handed in at Local Office 4 July 1930 Port of Hull Received at London Office 7-11-1930

No. in Survey held at Hull Date, First Survey 19 June Last Survey 27 June 1930
 Reg. Book. 10420 on the Steam Trawler "CAPE KANIN" (Number of Visits 3)

Built at Lilly By whom built Cochrane & Sons 45 Yard No. 1083 When built 1930

Owners Sturson S. Fishing Co Ltd Port belonging to Hull

Electric Light Installation fitted by W. Braddy & Sons 45 Contract No. _____ When fitted 1930

Is the Vessel fitted for carrying Petroleum in bulk Yes

System of Distribution Two wire

Pressure of supply for Lighting 100 volts, Heating _____ volts, Power _____ volts.

Direct or Alternating Current, Lighting Direct current Power Direct

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 _____, 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

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 _____

accessibility of all parts Yes, absence of fuses on back of board Yes, proportion of omnibus bars _____

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 SP. Lines

Switch for generator. 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 _____

PARTICULARS OF GENERATING PLANT.

DESCRIPTION OF GENERATOR.	No. of	RATED AT				DRIVEN BY	WHERE DRIVEN BY AN INTERNAL COMBUSTION ENGINE.	
		Kilowatts.	Volts.	Ampères.	Revs. per Min.		Fuel Used.	Flash Point of Fuel.
MAIN ...	6	6	100	60	400	Steam Engine		
AUXILIARY ...								
EMERGENCY ...								
ROTARY TRANSFORMER								

GENERATOR, LIGHTING AND HEATING CONDUCTORS.

DESCRIPTION.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT. AMPERES.		Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
	No. per Pole.	Total Effective Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.			
MAIN GENERATOR ...	2	.064	19	16wg	60		24 ft.	V. S. L.	
EQUALISER CONNECTIONS ...									
AUXILIARY GENERATOR ...									
EMERGENCY GENERATOR ...									
ROTARY TRANSFORMER MOTOR GENERATOR...									
ENGINE ROOM ...	2	.0018	3	20	3.5		10		L.C. Armoured
BOILER ROOM ...	2				1.5		40		
AUXILIARY SWITCHBOARDS ...									
ACCOMODATION ...	2	.012	7	18	12.0		150		
Navigation Main	2	.007	7	20	4.0		150		
WIRELESS ...									
SEARCHLIGHT ...									
MASTHEAD LIGHT ...	2	.0018	3	20	1.0		180		
SIDE LIGHTS ...	2				1.0		30		L.C.
COMPASS LIGHTS ...									
POOP LIGHTS ...									
CARGO LIGHTS ...									
ARC LAMPS ...									
HEATERS ...									

MOTOR CONDUCTORS.

DESCRIPTION.	No. of Motors.	CONDUCTORS.		COMPOSITION OF STRAND.		TOTAL MAXIMUM CURRENT. AMPERES.		Approximate Length. (Lead and Return.) Feet.	Insulated with	HOW PROTECTED.
		No. Per Pole.	Total Effective Area per Pole Sq. Ins.	No.	Diameter.	In Circuit.	Rule.			
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 ...										



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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. BROADLY & SONS
 ENGLISH STREET

Electrical Engineers.

Date 27/6/30.

COMPASSES.

Distance between electric generators or motors and standard compass 60 feet

Distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying 5 Amperes To feet from standard compass feet from steering compass.

A cable carrying 5 Amperes To 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 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.

FOR COCHRANE & SONS, LTD.

Director's Signature

Date 1 JULY 1930

Is this installation a duplicate of a previous case Yes If so, state name of vessel Cape Guardafui

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 good.

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.

8/7/30

Total Capacity of Generators 6 Kilowatts.

The amount of Fee ... £ 3 : 0 : When applied for, 4 July 1930.

Travelling Expenses (if any) £ : : When received, 22.7.30

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 11 JUL 1930

Assigned Elec Light

Im.12.23.—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)



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