

24 NOV 1939

RETAIN

Rpt. 13.

No. 50360

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

22 NOV 1939

HULL

Received at London Office

Date of writing Report.....19..... When handed in at Local Office.....19..... Port of.....

No. in Survey held at..... Date, First Survey..... Last Survey.....
Reg. Book..... (Number of Visits.....)

15917 on the COQUE SIREN STEAM TRAWLER "POPE FINISTERRE" Gross.....
Net.....

Built at..... By whom built..... Yard No..... When built.....

Owners..... Port belonging to.....

Electrical Installation fitted by..... Contract No..... When fitted.....

Is vessel fitted for carrying Petroleum in bulk..... Is vessel equipped with D.F..... E.S.D..... Gy.C..... Sub.Sig.....

Have plans been submitted and approved..... System of Distribution..... Voltage of supply for Lighting.....

Heating..... Power..... Direct or Alternating Current, Lighting..... Power..... If Alternating Current state frequency..... Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off..... Are turbine emergency governors fitted with a

trip switch as per Rule..... Generators, are they compound wound....., are they level compounded under working conditions.....

if not compound wound state distance between generators..... and from switchboard..... Where more than one generator is fitted are they

arranged to run in parallel....., are shunt field regulators provided..... Is the compound winding connected to the negative or positive pole

..... Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing..... Have certificates of

test for machines under 100 kw. been supplied..... and the results found as per rule..... Are the lubricating arrangements and the construction

of the generators as per rule..... Position of Generators.....

....., is the ventilation in way of generators satisfactory..... are they clear of inflammable material....., if situated

near unprotected combustible material state distance from same horizontally..... and vertically....., are the generators protected from mechanical

injury and damage from water, steam and oil....., are the bedplates and frames earthed..... and the prime movers and generators in metallic

contact..... Switchboards, where are main switchboards placed.....

..... are they in accessible positions, free from inflammable gases and acid fumes....., are they protected from mechanical injury and damage from water, steam

and oil....., if situated near unprotected combustible material state distance from same horizontally..... and vertically....., what insulation

material is used for the panels....., if of synthetic insulating material is it an Approved Type....., if of

semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule..... Is the frame effectually earthed.....

Is the construction as per Rule....., including accessibility of parts....., absence of fuses on the back of the board....., individual fuses

to pilot and earth lamps, voltmeters, etc....., locking of screws and nuts....., labelling of apparatus and fuses....., fuses on the "dead"

side of switches..... Description of Main Switchgear for each generator and arrangement of equaliser switches.....

2 - 150 Amp. D.P. Switches & 4 - 150 Amp. C.P. fuses for Generator.

1 - 20 Amp. D.P. Switch & 2 - 20 Amp. C.P. fuses for each

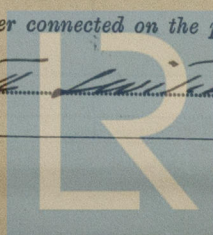
and for each outgoing circuit. - Main, Navigation, Sigin & other fuses,

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Are compartments containing switchboards composed of fire-resisting material or lined as per Rule..... Instruments on main switchboard.....

ammeters..... voltmeters..... synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection..... Earth Testing, state means provided.....



Lloyd's Register Foundation

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and where are the controlling switches fitted....., are all fittings suitably ventilated....., are all fittings and accessories constructed and installed as per Rule..... Searchlight Lamps, No. of four....., whether fixed or portable....., are their fittings as per Rule..... Heating and Cooking, is the general construction as per Rule..... are the frames effectually earthed....., are heaters in the accommodation of the convection type..... Motors, are all motors constructed and installed as per Rule four..... and placed in well-ventilated compartments in which inflammable gases cannot accumulate and free from damage from water, steam and oil....., if situated near unprotected combustible material state minimum distance from same horizontally..... and vertically..... Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing..... Have certificates of test for motors under 100 BHP intended for essential services been supplied and the results found as per Rule..... Control Gear and Resistances, are they constructed and fitted as per Rule..... Lightning Conductors, where required are they fitted as per Rule..... Ships carrying Oil having a Flash Point less than 150° F. Have all the special requirements of the Rules for such ships been complied with....., are all fuses of the cartridge type..... are they of an approved type..... If portable lamps for use in dangerous spaces are supplied, are they of a self-contained battery-fed flameproof type..... Spare Gear, if the vessel is for open sea service have spares been provided as per Rule four....., are they suitably stored in dry situations four..... Insulation Tests, has the insulation resistance of all circuits and apparatus been megger tested and found satisfactory four.....

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 <i>N^o 1</i>	<i>1</i>	<i>10</i>	<i>100</i>	<i>100</i>	<i>400</i>	<i>Plan</i>		
<i>N^o 2</i>	<i>1</i>	<i>10</i>	<i>100</i>	<i>100</i>	<i>400</i>	<i>Plan</i>	✓	✓
EMERGENCY ...								
ROTARY TRANSFORMER								

GENERATOR CABLES

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (load plus return feet).	INSULATED WITH.	HOW PROTECTED.
		No. in Facialia For Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR ... 7.5% ...	10	1	19/108 100	115	24	412	6.5 c.c.p.	
" " EQUALISER 11.2 ...	10	1	9/108 100	115	8	412	6.5 c.c.p.	
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR ...								
" " GENERATOR ...								

MAIN DISTRIBUTION CABLES

[illegible]

LIGHTING AND HEATING, ETC., CABLES.

WIRELESS	1	7/244	20	31	120	VIR	2000
NAVIGATION LIGHTS	1	7/236	5	18.2	120	"	"
LIGHTING AND HEATING							
ENGINE & BLOWER SPARES	1	7/226	10	24.0	126	"	"
WHEELHOUSE & RECOMMENDATION	1	7/224	25	40.0	120	"	"
FORCASTLE	1	7/229	8	18.2	140	"	"
FISHERY	1	7/229	8	18.2	140	"	"

MOTOR CABLES.

[illegible]

The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
The foregoing is a correct description.

WM BROADY & SON LTD.
ENGLISH STREET,
HULL.

Electrical Engineers.

Date 13th Nov 1939

COMPASSES.

Minimum distance between electric generators or motors and standard compass 45 ft.

Minimum distance between electric generators or motors and steering compass 45 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 5 Ampères 8 feet from standard compass 7 feet from steering compass.

A cable carrying 1 Ampères 1 feet from standard compass 1 feet from steering compass.

A cable carrying 1 Ampères 1 feet from standard compass 1 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 1/4 degrees on N.E. course in the case of the

standard compass, and 1/4 degrees on N.E. course in the case of the steering compass.

FOR COCHRANE & SONS LTD.

J. M. Cochrane

Builder's Signature.

Date 15/11/1939.

DIRECTOR

Is this installation a duplicate of a previous case? No If so, state name of vessel S.S. "CAPE SPETAKA"

S.S. "CAPE PASSARO"

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.)

The electrical installation of this vessel has been fitted under Special License, tested, examined under full working conditions and found satisfactory. The installation and workmanship are sound and good.

Noted
28/11/39

Total Capacity of Generators 20 Kilowatts.

The amount of Fee ... £ 10 : 0 : 0 When applied for, 30.10.1939
Travelling Expenses (if any) £ 10 : 11 : 39 When received, 10.11.1939

Surveyor to Lloyd's Register of Shipping.

FRI. 1 DEC 1939

Committee's Minute

Assigned See I.E. mach. rpl.