

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office.....

31 OCT 1942

Writing Report..... 20 OCT 1942, When handed in at Local Office..... 19..... Port of..... DUBLIN.

Survey held at..... Dublin Date, First Survey..... 25 SEPT Last Survey..... 20 OCT 1942
g. Book..... (Number of Visits..... 6.....)

on the..... T.S.S. "LADY CONNAUGHT" Tons {Gross..... 2284
Net..... 962

at..... BELFAST By whom built..... HARLAND & WOLFF LTD. Yard No..... When built..... 1912-3

ers..... BRITISH & IRISH STEAM PACKET CO. LTD. Port belonging to..... LIVERPOOL

ical Installation fitted by..... LIFFEY DOCKYARD LTD. Contract No..... When fitted..... 1942

essel fitted for carrying Petroleum in bulk..... Is vessel equipped with D.F. yes E.S.D. no Gy.C. no Sub.Sig. no

Plans been submitted and approved..... System of Distribution..... TWO WIRE Voltage of supply for Lighting..... 110

ing..... NONE Power..... 110 Direct or Alternating Current, Lighting..... D.C. Power..... D.C. If Alternating Current state periodicity..... Prime Movers,

governing been tested and found as per Rule when full load is suddenly thrown on and off..... Are turbine emergency governors fitted with a

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

compound wound state distance between generators..... and from switchboard..... Where more than one generator is fitted are they

ged to run in parallel..... yes, are shunt field regulators provided..... yes 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

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

generators as per rule..... yes Position of Generators..... FITTED ONE BY ONE IN TUNNEL RECESS CLOSE TO MAIN SWITCH

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

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

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

yes Switchboards, where are main switchboards placed..... FASTENED ON TUNNEL RECESS BULKHEAD.

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

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

is used for the panels..... SLATE INSULATED BY MICA BUSHES, if of synthetic insulating material is it an Approved Type....., if of

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

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

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

switches..... yes Description of Main Switchgear for each generator and arrangement of equaliser switches..... TWO TRIPLE POLE CIRCUIT

ERS WITH OVERLOAD TRIPS AND REVERSE CURRENT RELEASES TIME LAGS AND MAGNETIC BLOW OUTS.

ABLE FOR WORKING ON EQUALIZING CIRCUITS.

each outgoing circuit..... SINGLE POLE MAIN SWITCHES

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

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

connection..... yes Earth Testing, state means provided..... EARTH LAMPS WITH SWITCHES.

is, Circuit Breakers and Fuses, are they as per Rule..... yes, are the fuses an approved type..... yes, are all fuses labelled as

yes If circuit breakers are provided for the generators, at what overload current did they open when tested....., are the reversed current

n devices connected on the pole opposite to the equaliser connection..... yes, have they been tested under working conditions, and at what current

operate..... Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule..... yes

are they insulated and protected as per the appropriate Tables of the Rules..... yes, if otherwise than as per Rule are they of an approved type.....

imum fall of pressure between bus bars and any point under maximum load....., are the ends of all cables having a sectional area of 0.04

ch and above provided with soldering sockets..... yes Are paper insulated and varnished cambric insulated cables sealed at the ends..... no

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATED WITH.	HOW PROTECTED.
		No. in Parallel Per Cable.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR	60	2	6 1/2 .93	272		30 ft.	V.R.	ARMoured & BRAIDED
" " EQUALISER			6 1/2 .93			15 ft.	V.R.	
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR								
" " GENERATOR								

[illegible][illegible][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.

LIFEEY DOCKYARD LTD.

Electrical Engineers.

Date 21st October 1942

COMPASSES.

Minimum distance between electric generators or motors and standard compass NOT IN CLOSE PROXIMITY

Minimum distance between electric generators or motors and steering compass do. do. do.

The nearest cables to the compasses are as follows:—

A cable carrying 1/4 Ampères 1.25 feet from standard compass 7 feet from steering compass.

A cable carrying Ampères 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.

Builder's Signature.

Date

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

Plans. Are approved plans forwarded herewith If not, state date of approval

Certificates. Are certificates of test for motors engaged on essential services and generators forwarded herewith

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

The electrical equipment of this vessel has been removed and fitted on board under special survey.

The material & workmanship is good.

To complete the survey the two triple pole circuit-breakers to be fitted. Engine room wiring to be completed. Voltmeters to be fitted with scales to Rule. The equipment on completion of survey to be tested under full working conditions.

A temporary main switch has been fitted for use during the voyage from Dublin to Belfast. The plant has been tested under working conditions as far as practicable and found satisfactory.

Total Capacity of Generators 60 Kilowatts.

The amount of Fee ... £ 28 : 10 :

When applied for,

...19...

Travelling Expenses (if any) £ :

When received,

...19...

R. B. Guen.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRL 20 NOV 1942

Assigned

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Lr to Dub

See Other

Sub. Rpt. 5787



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Lloyd's Register
Foundation