

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

8 JUL 1947

4 JUL 1947

Received at London Office.....

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

in Survey held at GOOLE. Date, First Survey..... Last Survey.....19.....
(Number of Visits.....)

eg. Book. 556 on the "REYKIANES" ex "EMPIRE CONTAY". Tons { Gross 1021
and 589 (supp.) Net 570

lt at Hamburg By whom built H.C. Stülcken Sohn. Yard No. - When built 1918

ners Oddsson & Co. Ltd. Port belonging to HULL.

overhauled by Harrison & Daugherty Ltd, Goole in 1947. Contract No. - When fitted 1918

Electrical Installation fitted by Harrison & Daugherty Ltd, Goole in 1947. Contract No. - When fitted 1918

vessel fitted for carrying Petroleum in bulk No. Is vessel equipped with D.F. Yes E.S.D. Yes Gy.C. No Sub.Sig. No

ve plans been submitted and approved Yes. System of Distribution earth return. Voltage of supply for Lighting 110

ing - Power - Direct or Alternating Current, Lighting D.C. Power - If Alternating Current state periodicity - Prime Movers,

the governing been tested and found as per Rule when full load is suddenly thrown on and off Yes. 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,

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

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

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

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

the generators as per rule Yes. Position of Generators Engine room starboard side.

-, 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

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

tact Yes. Switchboards, where are main switchboards placed Engine room starboard side near generator.

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

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

material is used for the panels "Synthetic", if of synthetic insulating material is it an Approved Type -, if of

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

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

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

e of switches Yes. Description of Main Switchgear for each generator and arrangement of equaliser switches Double pole quick

break knife switch and double pole fuses.

d for each outgoing circuit Single pole knife switches and double pole fuses.

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

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

aliser connection -. Earth Testing, state means provided -

itches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an approved type Yes, are all fuses labelled as

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

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

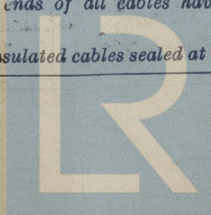
they operate -. Joint Boxes, Section Boards and Distribution Boards, is the construction and position as per Rule Yes

bles, 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 -

te maximum fall of pressure between bus bars and any point under maximum load 4V, are the ends of all cables having a sectional area of 0.04

are inch and above provided with soldering sockets Yes. Are paper insulated and varnished cambric insulated cables sealed at the ends No

6/8/47



Lloyd's Register
Foundation

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 ...	1	12	110	190	600	Steam engine.		
EMERGENCY ...				109				
ROTARY TRANSFORMER								

GENERATOR CABLES.

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (Lead plus return feet).	INSULATED WITH.	HOW PROTECTED.
		No. in Parallel Per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR	12	1	19/.083	109	118 ✓	20'	V.I.R.	L.C. & A.
" " EQUALISER								
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.

For and on behalf of correct description.

HARRISON & DOUGHTY, LTD.

Electrical Engineers.

Date June 6. 47

Works Manager

COMPASSES.

Minimum distance between electric generators or motors and standard compass 52'0"

Minimum distance between electric generators or motors and steering compass 59'0"

The nearest cables to the compasses are as follows:—

A cable carrying 2 Ampères 7' feet from standard compass inside 7' from steering compass.

A cable carrying 2 Ampères inside 7' from standard compass 7' 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

For and on behalf of The maximum deviation due to electric currents was found to be Nil degrees on every course in the case of the standard compass, and Nil degrees on every course in the case of the steering compass.

Works Manager

H.S. Barnett

Builder's Signature.

Date June 9. 47

Is this installation a duplicate of a previous case No

If so, state name of vessel -

Plans. Are approved plans forwarded herewith No

If not, state date of approval 12/6/47

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 installation was installed at Hamburg but upon examination the materials used were found to be of good quality and the workmanship good.

The equipment was tested under working conditions with satisfactory results and the insulation resistance of all circuits and apparatus measured and found good.

This equipment is in my opinion suitable for a classed vessel.

Total Capacity of Generators 12 Kilowatts.

The amount of Fee ... £ 16 :-

When applied for,

4 JUL 1947

Travelling Expenses (if any) £ :

When received.

19.....

Committee's Minute

FIL 15 AUG 1947

Assigned

Sir F.E. Moly. opt.

H.S. Barnett

Surveyor to Lloyd's Register of Shipping.



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