

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

13 SEP 1948

Date of writing Report... 4th Aug. 48 When handed in at Local Office... 4th Aug. 48 Port of... GDYNIA

No. in Survey held at... Gdansk Date, First Survey... 7th July 48 Last Survey... 20th July 1948
Reg. Book. (Number of Visits... 11.99...)

29266 on the S.S. "KILINSKI" (ex "Mexico Victory") Tons { Gross... 7612
Net... -

Built at Los Angeles, Cal. By whom built California Shipbuilding Corp. Yard No. - When built 1944

Owners Gdynia-America Shipping Lines Port belonging to Gdansk

Electrical Installation fitted by - Contract No. - When fitted 1944

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

Have plans been submitted and approved - System of Distribution 3 Wire DC Voltage of supply for Lighting 120

Heating 240 Power Direct Direct or Alternating Current, Lighting DC Power DC If Alternating Current state periodicity - Prime Movers,

has 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

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

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 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

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 Yes Position of Generators In engine room first grating level (S S A)

- is the ventilation in way of generators satisfactory Yes are they clear of inflammable material Yes 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 Yes are the bedplates and frames earthed Yes and the prime movers and generators in metallic

contact Yes Switchboards, where are main switchboards placed In engine room on generator feet in fore and aft direction

starboard side

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

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

material is used for the panels A. I. E. E. standards 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 Yes

Is the construction as per Rule - including accessibility of parts Yes absence of fuses on the back of the board emergency No

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

side of switches Yes Description of Main Switchgear for each generator and arrangement of equaliser switches each generator:- 5 pole

linked circuit breaker with overload and reverse current trips, also 5 disconnect links.

Emergency generator:- 80 amp 3 pole linked circuit breaker with overload trips.

and for each outgoing circuit two and three pole linked circuit breakers.

Emergency circuits:- two and three pole linked switches and fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Yes Instruments on main switchboard 4

ammeters 2 voltmeters - synchronising devices. For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Yes Earth Testing, state means provided Ground lamps and switch

Switches, Circuit Breakers and Fuses, are they as per Rule AIEE standards are the fuses an approved type AIEE standards

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

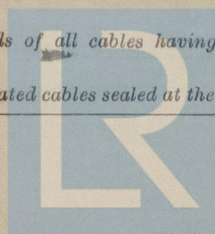
protection devices connected on the pole opposite to the equaliser connection - have they been tested under working conditions, and at what current

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

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

state maximum fall of pressure between bus bars and any point under maximum load 3.5 Volts are the ends of all cables having a sectional area of 0.04

square inch and above provided with soldering sockets Yes Are paper insulated and varnished cambric insulated cables sealed at the ends -



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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..... AIIE standards 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..... Are the fittings for pump rooms, 'tween deck spaces, etc., in accordance with the special requirements for such ships..... Are the cables lead covered as per Rule..... Spare Gear, if the vessel is for open sea service have spares been provided as per Rule..... Yes....., are they suitably stored in dry situations..... Yes..... Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory..... Yes.....

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	2	300	240/120	1250	1200	Geared turbine	-	-
EMERGENCY ...	1	15	240/120	62.5	1450	Diesel engine	Diesel oil above 150°F	
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								
" " EQUALISER								
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR								
" " GENERATOR								

[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.

Electrical Engineers.

Date.

COMPASSES.

Minimum distance between electric generators or motors and standard compass..... 65 feet

Minimum distance between electric generators or motors and steering compass..... 60 feet

The nearest cables to the compasses are as follows:—

A cable carrying .125 Amperes .75 feet from standard compass .75 feet from steering compass.

A cable carrying — Amperes — 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

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..... No 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.).....

This report is submitted for the information of the Committee.

Total Capacity of Generators..... 615 Kilowatts.

The amount of Fee ... £ : : When applied for,19.....
See Rpt 9.
Travelling Expenses (if any) £ : : When received.19.....

L. V. HANSEL.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

OCT 29 1946



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