

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

3 - OCT 1949

Date of writing Report 4th Aug. 1948 When handed in at Local Office 4th Aug. 1948 Port of GDYNIA

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

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

Installation fitted by - When fitted

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

Plans, have they been submitted and approved System of Distribution Voltage of Lighting

Heating Power D.C. or A.C., Lighting Power If A.C. state frequency

Prime Movers, has the governing been found as per Rule when full load is thrown on and off Are turbine emergency governors fitted

with a trip switch Generators, are they compound wound, and level compounded under working conditions,

if not compound wound state distance between generators and from switchboard Are the generators 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

Position of Generators

is the ventilation in way of generators satisfactory are they clear of inflammable material and protected from mechanical injury and

damage from water, steam and oil Switchboards, where are main switchboards placed

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

steam and oil, what insulation 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 construction as per Rule, including locking of screws and nuts Description of Main Switchgear

for each generator and arrangement of equaliser switches

and the switch and fuse gear (or circuit breakers) for each outgoing circuit

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 are the ammeters and reversed current

protection devices connected on the pole opposite to the equaliser connection Earth Testing, state means provided

Switches, Circuit Breakers and Fuses, are they as per Rule, are the fuses an Approved Type

make of fuses, are all fuses labelled If circuit breakers are provided for the generators, at what

overload do they operate, and at what current do the reversed current protective devices operate

Joint Boxes, Section Boards and Distribution Boards, is the construction as per Rule

Cables, are they insulated and protected as per Rule, 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, are the ends of all cables having a sectional

area of 0.01 square inch and above provided with soldering sockets Are all paper insulated and varnished cambric insulated

cables sealed at the ends Are all the cable runs in accessible positions, not exposed to drip or accumulation of water or oil,

high temperatures or risk of mechanical damage, are any cables laid under machines or floorplates, if so, are they

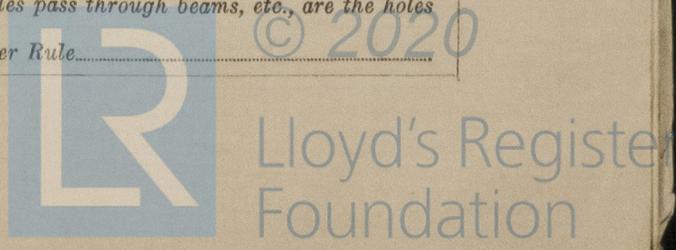
adequately protected Are cables in machinery spaces, galleys, laundries, etc., lead covered or run in conduit

or of the "HR" type State how the cables are supported or protected

Are all lead sheaths, armouring and conduits effectually bonded and earthed Are all cables passing through decks and watertight

bulkheads provided with deck tubes or watertight glands, where unarmoured cables pass through beams, etc., are the holes

effectively bushed Refrigerated chambers, are the cables and fittings as per Rule



Alternative Lighting, are the groups of lights in the engine and boiler rooms arranged as per Rule..... Emergency Supply, state position

Navigation Lamps, are they separately wired.....controlled by separate double pole switches and fuses..... Are the switches and fuses in a position accessible only to the officers on watch..... is an automatic indicator fitted..... Is an alternative supply provided.....

Secondary Batteries, are they constructed and fitted as per Rule....., are they adequately ventilated..... state battery capacity in ampere hours.....

Fittings, are all fittings on weather decks, in stokeholds and engine rooms and wherever exposed to drip or condensed moisture, weatherproof.....

Are any fittings installed where readily combustible materials or inflammable or explosive dust or gases are likely to be present..... if so, how are they protected.....

and where are the controlling switches fitted..... Are all fittings suitably ventilated.....

Searchlight Lamps, No. of....., whether fixed or portable....., are they of the carbon arc or of the filament type.....

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 and placed in well-ventilated compartments in which inflammable gases cannot accumulate and protected from damage from water, steam and oil.....

Are motors coupled to oil fuel transfer and pressure pumps capable of being stopped from a position accessible in the event of fire in the pump compartment..... 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 sea 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 an Approved Cartridge Type....., make of fuse..... 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.....

E.S.D., if fitted state maker..... location of transmitter..... and receiver.....

Spare Gear, if the vessel is for open sea service have spares been provided as per Rule and suitably stored in dry situations.....

Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory.....

PARTICULARS OF GENERATING PLANT.

DESCRIPTION OF GENERATOR.	No. of	MAKER.	RATED AT				PRIME MOVER.	
			Kilowatts per Generator.	Volts.	Ampères.	Revs. per Min.	TYPE.	MAKER.
MAIN								
EMERGENCY ... ROTARY TRANSFORMER								

GENERATOR CABLES.

DESCRIPTION.	KILOWATTS.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
		No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
MAIN GENERATOR	4	37	.103	1250	1540	50	V.C.	Lead Covered & Metal Braided
" " EQUALISER	4	37	.103	1250	1540	30	V.C.	
EMERGENCY GENERATOR	1	19	.064	62.5	135	30	V.C.	do.
ROTARY TRANSFORMER: MOTOR								
" " GENERATOR...								

MAIN DISTRIBUTION CABLES (to Section Boards, Distribution Fuse Boards, etc.).

DESCRIPTION.	No.	Kilowatts.	CONDUCTORS.	MAXIMUM CURRENT IN AMPERES.	APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
			No. in Parallel per Pole.	In the Circuit.			
Emergency Switchboard	1		19	100	200	V.C.	Lead Covered and Metal Braided.
Dist.Box for forwd.cargo lights	1		7	70	300	V.C.	
Dist.box for aft.cargo lights	1		7	60	300	V.C.	
Dist.boxes in accomd.(5)	1		7	40-70	250	V.C.	

LIGHTING, HEATING, WIRELESS, NAVIGATION LIGHTS, ETC., CABLES.

DESCRIPTION.	CONDUCTORS.		MAXIMUM CURRENT IN AMPERES.		APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
	No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	In the Circuit.	Rule.			
Lighting (General)	1	7/.044	30	42		V.C.	Lead Covered & Metal Braided.
Galley	1	19/.064	60	135	250	V.C.	
Wireless	1	7/.064	70	75	300	V.C.	
Navigation Lights	1	7/.064	7	46	250	V.C.	

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.	CONDUCTORS.	MAXIMUM CURRENT IN AMPERES.	APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.
			No. in Parallel per Pole.	In the Circuit.			
Main Circulating Pump	1		37	370	424	250	V.C.
Steering Gear	1		19	150	191	500	V.C.
Windlass	1		19	220	245	550	V.C.
Winches (Feeders)	4		19	185	191	550	V.C.
Capstan	1		19	132	191	550	V.C.
Sanitary Pump	1		7	30	75	150	V.C.
Compressor	1		7	59	95	160	V.C.
Turning Gear	1		7	40	75	100	V.C.
Main Cond.Pump	1		7	59	95	120	V.C.
Aux.Cond.Pump	1		7	21	75	100	V.C.
Lifeboat Winches	4		7	40	75	250	V.C.
Aux.Cond.Cab. Pump	1		19	95	134	50	V.C.
Lub.Oil pump	1		7	59	95	200	V.C.
Domestic Refrig.	1		7	40	75	250	V.C.

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 Contractors. Date.....

COMPASSES.

Have the compasses been adjusted under working conditions.....

..... Builder's Signature. Date.....

Have the foregoing descriptions and schedules been verified and found correct.....

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 sea services and generators forwarded herewith.....

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

Total Capacity of Generators..... Kilowatts.

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

J. A. Boate
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....

Assigned.....

2m.3.46.—Transfer. (MADE AND PRINTED IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

JW

FRI 25 NOV 1948



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