

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

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

No. in Survey held at..... Date, First Survey..... Last Survey.....
Reg. Book. (Number of Visits.....) 19.....

83812 on the S.S. "STAD ALKMAAR" Tons { Gross 5750
Net

Built at Schiedam By whom built A. O. Miller, Genoa Yard No. 669 When built 1940

Owners Halcyon - Lijn Port belonging to Rotterdam

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 Yes System of Distribution Two wire Voltage of supply for Lighting 110

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

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

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

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 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

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

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

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.....

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....., 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

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"

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

Single - pole linked switch with a fuse in each pole

for each outgoing circuit.....

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.....

Earth measuring lamps

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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 _____, 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 _____ 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 _____, are they suitably stored in dry
situations _____ Insulation Tests, has the insulation resistance of all circuits and apparatus been megger tested and found satisfactory _____

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	17	110	155	?	Steam Engine		
EMERGENCY ...								
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	17	1	95	155	152	?	V.I.R.	Lead covered & wrapped
" " EQUALISER								
EMERGENCY GENERATOR								
ROTARY TRANSFORMER: MOTOR								
" " GENERATOR								

MAIN DISTRIBUTION CABLES.

AUX. SWITCHBOARDS AND SECTION BOARDS ...			DISTRIBUTION CABLES.						
Engine & Dist. Room	1	6	22	30	30	W.R.	Lead covers 20		
Lighting, off	1	16	20	5-8	100	"	200 wire		
Engine's accommodation	1	4	10.3	22	50	"			
Large Expts	1	16	16.3	5-8	50	"			
Wireless	1	25	48.5	13	140	"			
Passage	1	4	6.55	22	140	"			
Officers' accommodation	1	16	36	50	120	"			

LIGHTING AND HEATING, ETC., CABLES.

[illegible]

MOTOR CABLES.

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

Minimum distance between electric generators or motors and steering compass

The nearest cables to the compasses are as follows:—

A cable carrying Ampères feet from standard compass 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

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.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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