

Rpt. 13.

No. 45504.

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

18-AUG-1956

Received at London Office

Date of writing Report 2nd July 1956 When handed in at Local Office 25.7.1956 Port of Glasgow

No. in Survey held at Glasgow Date, First Survey 14.5.56 Last Survey 14.6.1956
Reg. Book. (No. of Visits 2)

on the Quaker Wheel "PADAMYA" Tons Gross 200

Built at Glasgow By whom built Larrow & Co. Ltd. Yard No. 2107 When built 1956

Owners Govt of Union of Burma Inland Water Transport Board Port belonging to Rangoon

Installation fitted by Larrow & Co. Ltd. When fitted 1956

Is vessel equipped for carrying Petroleum in bulk - Is vessel equipped with D.F. - E.S.D. - Gy.C. - Sub.Sig. - Radar -

Plans, have they been submitted and approved Yes System of Distribution two wires Voltage of Lighting 110

Heating - Power 110 D.C. or A.C., Lighting Dc Power Dc If A.C. state frequency -

Prime Movers, has the governing been found as per Rule when full load is thrown on and off Yes Are turbine emergency governors fitted with a trip switch - Generators, are they compound wound Yes, and level compounded under working conditions Yes

Are the generators arranged to run in parallel No Is the compound winding connected to the negative or positive pole negative

Have machines 100 kw. and over 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 Yes Position of Generators In engine room, one 5Kw. Port, one 5Kw. Starb.

is the ventilation in way of generators satisfactory Yes are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil Yes Switchboards, where are main switchboards placed In engine room, Starb side

are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil Yes, what insulation is used for the panels Insulation, if of synthetic insulating material is it an Approved Type Yes, 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 Yes Description of Main Switchgear for each generator and arrangement of equaliser switches D.P. Switch and Fuses

and the switch and fuse gear (or circuit breakers) for each outgoing circuit D.P. Changer Switch and Fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule - Instruments on main switchboard 2 ammeters 2 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection - Earth Testing, state means provided earth lamps

Preference Tripping, state if provided -, and tested -

Switches, Circuit Breakers and Fuses, are they as per Rule Yes, are the fuses an Approved Type Yes make of fuses Artic, are all fuses labelled Yes If circuit breakers are provided for the generators, at what overload do they operate -, and at what current do the reverse current protective devices operate - Cables, are they insulated and protected as per Rule Yes

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 Under 6% @ 8/8 volts Are all paper insulated and varnished cambric insulated cables sealed at the ends -

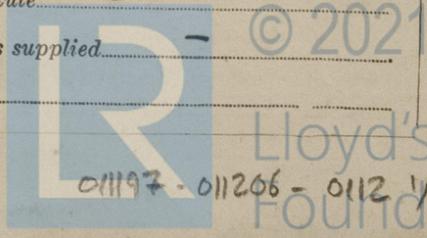
Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage Yes, are any cables laid under machines or floorplates No, if so, are they adequately protected - State type of cables (if in conduit this should also be stated) in machinery spaces nrhc, galleys VRHC and laundries -

State how the cables are supported or protected Cables clipped to steel tray or steelwork in machinery space, cables clipped to steel tray, steel and woodwork in accommodation spaces, all protected when necessary

Are all lead sheaths, armouring and conduits effectually bonded and earthed Yes Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands Yes, where unarmoured cables pass through beams, etc., are the holes effectively bushed Yes Refrigerated chambers, are the cables and fittings as per Rule -

Have refrigeration fan motors been constructed under survey - and test certificates supplied -

Are the motors accessible for maintenance at all times -



© 2021

Lloyd's Register Foundation

01197-011206-0112 1/2

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

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

Secondary Batteries, are they constructed, fitted and adequately ventilated as per Rule Yes state battery capacity in ampere hours 100 Where required to do so does it comply with 1948 International Convention Yes

Lighting, is fluorescent lighting fitted Yes If so, state nominal lamp voltage 240 and compartments where lamps are fitted Engine room, boiler room, deck

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

Searchlights, No. of 1, whether fixed or portable Fixed, are they of the carbon arc or of the filament type Filament

Heating and Cooking, is the general construction as per Rule Yes, are the frames effectually earthed Yes, are heaters in the accommodation of the convection type Yes 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 Yes

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 Yes Have motors of 100 BHP and over been inspected by the Surveyors during manufacture and testing Yes

Have certificates of test for motors under 100 BHP intended for essential sea services been supplied and the results found as per Rule Yes

Lightning Conductors, where required are they fitted as per Rule Yes

Ships carrying Oil having a Flash Point of less than 150° F. Have all the special requirements of the Rules for such ships been complied with Yes, are all fuses of an Approved Cartridge Type Yes, make of fuse None Are the fittings for pump rooms, tween deck spaces, etc., in accordance with the special requirements for such ships Yes Are all cables lead covered as per Rule Yes

E.S.D., if fitted state maker None location of transmitter and receiver None

Spare Gear, if the vessel is for open sea service have spares been provided as per Rule and 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	MAKER.	RATED AT				TYPE.	PRIME MOVER.
			Kw. per Generator.	Volts.	Ampères.	Revs. per Min.		
MAIN	2	Amal Electrical Engineering Co. Ltd.	5	110	40	1600	Self	Petrol
EMERGENCY								
BOTARY TRANSFORMER								

GENERATOR CABLES.

DESCRIPTION.	No. of	Kw.	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	2	5	1			
" EQUALISER									
EMERGENCY GENERATOR									
BOTARY TRANSFORMER: MOTOR									
" GENERATOR									

MAIN DISTRIBUTION CABLES (to Auxiliary Switchboards, etc.).

DESCRIPTION.	No. of	Kw.	No. in Parallel per Pole.	Sectional Area or No. and Dia. of Strands. Sq. ins. or sq. mm.	MAXIMUM CURRENT IN AMPERES.	APPROX. LENGTH (lead plus return feet).	INSULATION.	PROTECTIVE COVERING.

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

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.			
	Lights Upper deck	1	7.064	25			
" Main deck	1	7.064	17	31.	19.	Rubber	LC
" Engine room	1	7.064	12	31.	24.	Rubber	LC
Navigation	1	7.064	1.45	10	135	Rubber	LC
Searchlight	1	7.064	14	31.	140	Rubber	LC

MOTOR CABLES.

ALL IMPORTANT MOTORS TO BE ENUMERATED.	No.	B.H.P.					

NOTE.—Use Rpt. 43 Continuation Sheet if the above space is insufficient.

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.

Mitchell

YARROW & CO. LTD.
GLASGOW, W. 2

Electrical Contractors. Date *23rd July 1956*

COMPASSES.

Have the compasses been adjusted under working conditions. *Two compasses fitted.*

Builder's Signature. Date

Have the foregoing descriptions and schedules been verified and found correct. *In*
Is this installation a duplicate of a previous case. *No.* If so, state name of vessel *PADASHIN Panama Ltd 2106*
Plans. Are approved plans forwarded herewith. *No.* If not, state date of approval. *26-10-55.*
Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith. *No.*
General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

The electrical equip of the vessel has been fitted on board under special survey and in accordance with the approved plans taken under working conditions and found satisfactory. The material and workmanship are good.

*BMM
23/7/56*

2m. 155 - Transfer. (MADE AND REGISTERED IN ENGLAND)
(The Surveyors are requested not to write on or below the space for Committee Minutes.)

Total Capacity of Generators *10* Kilowatts.

The amount of Fee ... £ *10.*
Specification 25-0-0 When applied for, *22 JUN 1956*
Travelling Expenses (if any) £ *2.* When received, *19*

S. G. Finlay
Surveyor to Lloyd's Register of Shipping.

Committee's Minute. *GLASGOW 7 AUG 1956*

Assigned. *SEE ACCOMPANYING MACHINERY REPORT*