

REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office

MAR 5 1940

Date of writing Report 29th Jan. 1940 When handed in at Local Office 29th Jan. 1940 Port of Hong Kong
 No. in Survey held at Hong Kong Date, First Survey Dec. 19th 1939 Last Survey 27th Jan. 1940
 Reg. Book. (Number of Visits 7)
 on the Tug "TROYADOR" Tons { Gross 79.00
 Net 11.02
 Built at Hong Kong By whom built The H K Whampoa Dock Co. Yard No. 828 When built 1940
 Owners Visayan Stevedore Transportation Co. Inc. Port belonging to Iloilo, P.I.
 Electrical Installation fitted by The H K Whampoa Dock Co. Ltd Contract No. ✓ When fitted 1940
 Is vessel fitted for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No

Have plans been submitted and approved Yes System of Distribution D.C. Two Wires Voltage of supply for Lighting 125

Heating ✓ Power 125 Direct or Alternating Current, Lighting Direct Power Direct If Alternating Current state frequency ✓ Prime Movers,

has 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 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 No, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Positive 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 No See note and the results found as per rule ✓ Are the lubricating arrangements and the construction

of the generators as per rule Yes Position of Generators 1 Port + 1 Stbd in engine room

, 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 Port side of engine room

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 Elong Sindango, 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 Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fuses

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 60 amps double pole

double throw switch

and for each outgoing circuit 4-D.P. 15 amps rotary switch + one 60 amps D.P. switch

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

ammeters one 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 lamps



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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	5	125	40	1750	15-H.P. oil engine	Diesel oil	above 150° F.
EMERGENCY ...	1	1	125	8	2150	By belt from main engine		
ROTARY TRANSFORMER								

[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.

HONGKONG & WHAMPOA DOCK Co., Ltd.

Hood.
CHIEF MANAGER

Electrical Engineers.

Date *29th Jan 1940*

COMPASSES.

Minimum distance between electric generators or motors and standard compass ☒

Minimum distance between electric generators or motors and steering compass *36 ft.*

The nearest cables to the compasses are as follows:—

A cable carrying *0.8* Ampères ☒ feet from standard compass *Compass Light* feet from steering compass.

A cable carrying *36* Ampères ☒ feet from standard compass *10* 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*

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

HONGKONG & WHAMPOA DOCK Co., Ltd.

Hood.
CHIEF MANAGER

Builder's Signature.

Date *29th Jan 1940*

Is this installation a duplicate of a previous case *No* If so, state name of vessel ☒

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.) *This electrical machinery was previously fitted on a wood launch in Manila & no makers test certificates for Generators & Motor are available (See L.L. Letter dated 21st June 1939 & London letter dated 1st July 1939)*

The installation has been efficiently fitted on board in accordance with the Rules & approved plans & the materials & workmanship are good. On completion the installation was megger tested & tried under full load conditions & found satisfactory.

No spare gear supplied, but owner's Representative stated that spare gear to rule requirements are in Manila & will be supplied on vessel's arrival there. The Manila Surveyor has been notified.

*Noted
L.L.
7/3/40.*

Total Capacity of Generators *6* Kilowatts.

The amount of Fee ... £6 = \$97.00 When applied for, *27th Jan 1940*

Travelling Expenses (if any) \$20.00 When received, *2/3/40*
Total \$117.00 *(per wire recd 2/3/40)*

J.S. Morrison
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See HKG JE P521



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