

No. 2195

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. 2625 No. in Register Book 4120

M. PULAU KIDJANG

Makers of Engines DEUTZ

Works No.

Makers of Main Boilers

Works No.

Makers of Donkey Boiler

Works No.

Fins

MACHINERY.



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012631-012637-0023

No.

THE BRITISH CORPORATION FOR THE SURVEY

AND

REGISTRY OF SHIPPING.

Report No. No. in Register Book

Received at Head Office *Sept 20, 1934.*

Surveyor's Report on the New Engines, Boilers, and Auxiliary Machinery of the *Single Triple* Screw *MS PULAU KIDITANS*

Official No. *159456* Port of Registry *HONG KONG*

Registered Owners *SOON BEE S S CO SINGAPORE LTD*

Engines Built by *"DEUTZ"*

at *HAMBURG*

Main Boilers Built by *—*

at *—*

Donkey " " *—*

at *—*

Date of Completion *1936*

First Visit *25/5/36*

Last Visit *12/12/36*

Total Visits

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RECIPROCATING ENGINES.

Works No. No. of Sets Description

No. of Cylinders each Engine No. of Cranks

Diars. of Cylinders Stroke

Cubic feet in each L.P. Cylinder

Are Spring-loaded Relief Valves fitted to Top and Bottom of each Cylr.?

" " " each Receiver?

Type of H.P. Valves,

" 1st I.P. "

" 2nd I.P. "

" L.P. "

" Valve Gear

" Condenser

Cooling Surface sq. ft.

Diameter of Piston Rods (plain part)

Screwed part (bottom of thread)

Material "

Diar. of Connecting Rods (smallest part)

Material

" Crosshead Gudgeons

Length of Bearing

Material

No. of Crosshead Bolts (each)

Diar. over Thrd.

Thrds. per inch

Material

" Crank Pin " "

" Main Bearings

Lengths

" Bolts in each

Diar. over Thread

Threads per inch

Material

" Holding Down Bolts, each Engine

Diar.

No. of Metal Chocks

Are the Engines bolted to the Tank Top or to a Built Seat?

Are the Bolts tapped through the Tank Top and fitted with Nuts Inside?

If not, how are they fitted?

Connecting Rods, Forged by

Piston " "

Crossheads,

Connecting Rods, Finished by

Piston " "

Crossheads,

Date of Harbour Trial

" Trial Trip

Trials run at

Were the Engines tested to full power under Sea-going conditions?

If so, what was the L.H.P.?

Revs. per min.

Pressure in 1st I.P. Receiver, — lbs., 2nd I.P., — lbs., L.P., — lbs., Vacuum, — ins.

Speed on Trial

If the Conditions on Trial were such that full power records were not obtained give the following estimated

data:—

Builders' estimated L.H.P.

Revs. per min.

Estimated Speed



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TURBINE ENGINES.

Works No.	Type of Turbines		
No. of H.P. Turbines	No. of I.P.	No. of L.P.	No. of Astern
Are the Propeller Shafts driven direct by the Turbines or through Gearing?			
Is Single or Double Reduction Gear employed?			
Diam. of 1st Reduction Pinion	}	Width	Pitch of Teeth
" 1st " Wheel			
Estimated Pressure per lineal inch			
Diam. of 2nd Reduction Pinion	}	Width	Pitch of Teeth
" 2nd " Wheel			
Estimated Pressure per lineal inch			
Revs. per min. of H.P. Turbines at Full Power			S.H.P.
If the Conditions on Trial were such that full power could not be obtained, give the following:			
" " I.P. " "			
" " L.P. " "			
" " 1st Reduction Shaft			
" " 2nd " "			
" " Propeller Shaft			
Total Shaft Horse Power			
Date of Harbour Trial			
" Trial Trip			
Trials run at			
Speed on Trial	Knots. Propeller Revs. per min.		S.H.P.
Turbine Spindles forged by			
" Wheels forged or cast by			
Reduction Gear Shafts forged by			
" Wheels forged or cast by			

DESCRIPTION OF INSTALLATION.

MAIN ENGINE

SOLID INJECTION DEUTZ-DIESEL-MARINE ENGINE,
COLD STARTING, FOUR-STROKE, FULL DIESEL.
TYPE R.V.6.M. 345.
WITH ONE COOLING WATER & ONE BILGE PUMP FITTED.

PARTICULARS.

Nº OF CYLINDERS 6
DIAMETER OF CYLINDER 280 M.M.
STROKE 450 M.M.
OUTPUT: NORMAL 275 BHP, TEMPORARILY 330 BHP.
REVOLUTIONS PER MINUTE 275.

ONE-SET-OFF

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TURBO-ELECTRIC PROPELLING MACHINERY.

No. of Turbo-Generating Sets Capacity of each

Type of Turbines employed

Description of Generators

No. of Motors driving Propeller Shafting

Are the Propeller Shafts driven direct by the Motors or through Gearing?

Is Single or Double Reduction Gear employed?

Description of Motors

Diam. of 1st Reduction Pinion

" 1st " Wheel

Width

Pitch of Teeth

Estimated Pressure per lineal inch

Diam. of 2nd Reduction Pinion

" 2nd " Wheel

Width

Pitch of Teeth

Estimated Pressure per lineal inch

Revs. per min. of Generators at Full Power

" Motors "

" 1st Reduction Shaft

" 2nd "

" Propellers at Full Power

Total Shaft Horse Power

Date of Harbour Trial

" Trial Trip

Trials run at

Speed on Trial

Knots. Propeller Revs. per min.

S.E.P.

Makers of Turbines

" Generators

" Motors

" Reduction Gear

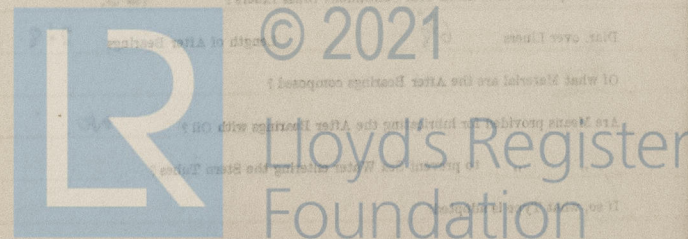
Turbine Spindles forged by

" Wheels forged or cast by

Reduction Gear Shafts forged by

" Wheels forged or cast by

DESCRIPTION OF INSTALLATION.



SHAFTING.

Are the Crank Shafts Built or Solid?

No. of Lengths in each

Angle of Cranks

Diar. by Rule

Actual

In Way of Webs

" of Crank Pins

Length between Webs

Greatest Width of Crank Webs

Thickness

Least " "

Diar. of Keys in Crank Webs

Length

" Dowels in Crank Pins

Length

Screwed or Plain

No. of Bolts each Coupling

Diar. at Mid Length

Diar. of Pitch Circle

Greatest Distance from Edge of Main Bearing to Crank Web

Type of Thrust Blocks

No. " Rings

Diar. of Thrust Shafts at bottom of Collars

No. of Collars

" " Forward Coupling

At Aft Coupling

Diar. of Intermediate Shafting by Rule $4'2''$ Actual $4\frac{3}{4}''$ No. of Lengths 3
 No. of Bolts, each Coupling 6 Diar. at Mid Length $1\frac{1}{8}''$ Diar. of Pitch Circle $8\frac{1}{4}''$

Diar. of Propeller Shafts by Rule $4'6''8''$ Actual $5\frac{1}{4}''$ At Couplings 5"

Are Propeller Shafts fitted with Continuous Brass Liners?

YES.

Diar. over Liners $6\frac{3}{8}''$

Length of After Bearings

 $2'8''$

Of what Material are the After Bearings composed?

Are Means provided for lubricating the After Bearings with Oil?

NO.

" " to prevent Sea Water entering the Stern Tubes?

If so, what Type is adopted?

SKETCH OF CRANK SHAFT.



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PUMPS, ETC.

No. of Air Pumps — Diar. — Stroke

Worked by Main or Independent Engines?

No. of Circulating Pumps — Diar. — Stroke

Type of „

Diar. of „ Suction from Sea

Has each Pump a Bilge Suction with Non-return Valve? Diar.

What other Pumps can circulate through Condenser?

No. of Feed Pumps on Main Engine — Diar. — Stroke

Are Spring-loaded Relief Valves fitted to each Pump?

Can one Pump be overhauled while the others are at work?

No. of Independent Feed Pumps — Diar. — Stroke

What other Pumps can feed the Boilers?

No. of Bilge Pumps on Main Engine ONE Diar. — Stroke

Can one Pump be overhauled while the others are at work?

No. of Independent Bilge Pumps THREE

What other Pumps can draw from the Bilges? ONE DOWNTON PUMP 5" DIA. x 4" STROKE

Are all Bilge Suctions fitted with Roses? YES.

Are the Valves, etc., so arranged as to prevent unintentional connection between Sea and Bilges? YES.

Are all Sea Connections made with Valves or Cocks next the Ship's sides? YES.

Are they placed so as to be easily accessible? YES.

Are the Discharge Chests placed above or below the Deep Load Line? BELOW

Are they fitted direct to the Hull Plating and easily accessible? YES.

Are all Blow-off Cocks or Valves fitted with Spigots through the Hull Plating and Covering Plates or Flanges on the Outside? YES.

AUXILIARY GENERATOR, AIR COMPRESSOR,
BILGE & BALLAST PUMP.

SECOND AUXILIARY ENGINE

TWO-CYLINDER, VERTICAL, SOLID INJECTION
DEUTZ-DIESEL ENGINE, COLD STARTING,
TWO-STROKE, WITH SCAVENGE PUMP BUILT ON,
FULL DIESEL.

TYPE OMZ 117.

OUTPUT: NORMAL 25 B.H.P. 750 R.P.M.

AUXILIARY GENERATOR

TROPICALLY INSULATED & COMPOUND WOUND,
POWER 16 K.W. 110 VOLTS D.C.

COMPRESSOR

TWO-STAGE.

SUCTION CAPACITY:- 1485 CUBIC FEET PER HOUR
AGAINST A PRESSURE OF 450 LBS./SQ.

BILGE & BALLAST PUMP

CENTRIFUGAL TYPE.

CAPACITY 30 TONS PER HOUR AGAINST A HEAD OF
35 FEET

ONE - SET-OFF

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BOILERS.

Works No.

No. of Boilers

Type

Single or Double-ended

No. of Furnaces in each

Type of Furnaces

Date when Plan approved

Approved Working Pressure

Hydraulic Test Pressure

Date of Hydraulic Test

" when Safety Valves set

Pressure at which Valves were set

Date of Accumulation Test

Maximum Pressure under Accumulation Test

System of Draught

Can Boilers be worked separately?

Makers of Plates

" Stay Bars

" Rivets

" Furnaces

Greatest Internal Diam. of Boilers

" " Length "

Square Feet of Heating Surface each Boiler

" " Grate " "

No. of Safety Valves each Boiler

Rule Diam.

Actual

Are the Safety Valves fitted with Easing Gear?

No. of Pressure Gauges, each Boiler

No. of Water Gauges

" Test Cocks

" Salinometer Cocks

Are the Water Gauges fitted direct to the Boiler Shells or mounted on T-fittings?

Are the Water Gauge Glasses fitted direct to the Boiler Shells or connected by Pipes?

Are there Pipes connected to Boilers by Cocks or Valves?

Are Blow-off Cocks or Valves fitted on Boiler Shells?

No. of Stitches of Shell Plating in each Boiler

Plating in each Boiler

Thickness of Shell Plating Approved

" " " in Boilers

Are the Rivets Iron or Steel?

Are the Longitudinal Seams Hand or Lap Joints?

Are the Butt Joints made by Riveting?

Are the Double Butt Joints of equal width?

Thickness of outside Butt Straps

" " " inside

Are Longitudinal Seams Hand or Machine Riveted?

Are they single, Double or Triple Riveted?

No. of Rivets in a Pitch

Pitch of Rivets in Plates

No. of Rows of Rivets in Centre Circumferential Seams

Are these Seams Hand or Machine Riveted?

Pitch of Rivets in Plates

No. of Rows of Rivets in Front and Circumferential Seams

Are these Seams Hand or Machine Riveted?

Pitch of Rivets in Plates

No. of Rows of Rivets in Back and Circumferential Seams

Are these Seams Hand or Machine Riveted?

Pitch of Rivets in Plates

No. of Rows of Rivets in Back and Circumferential Seams

Are these Seams Hand or Machine Riveted?

Pitch of Rivets in Plates



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Are the Water Gauges fitted direct to the Boiler Shells or mounted on Pillars?

Are the Water Gauge Pillars fitted direct to the Boiler Shells or connected by Pipes?

Are these Pipes connected to Boilers by Cocks or Valves?

Are Blow-off Cocks or Valves fitted on Boiler Shells?

No. of Strakes of Shell Plating in each Boiler

„ Plates in each Strake

Thickness of Shell Plates Approved

„ „ in Boilers

Are the Rivets Iron or Steel?

Are the Longitudinal Seams Butt or Lap Joints?

Are the Butt Straps Single or Double?

Are the Double Butt Straps of equal width?

Thickness of outside Butt Straps

„ inside „

Are Longitudinal Seams Hand or Machine Riveted?

Are they Single, Double, or Treble Riveted?

No. of Rivets in a Pitch

Diar. of Rivet Holes Pitch

No. of Rows of Rivets in Centre Circumferential Seams

Are these Seams Hand or Machine Riveted?

Diar. of Rivet Holes Pitch

No. of Rows of Rivets in Front End Circumferential Seams

Are these Seams Hand or Machine riveted?

Diar. of Rivet Holes Pitch

No. of Rows of Rivets in Back End Circumferential Seams

Are these Seams Hand or Machine Riveted?

Diar. of Rivet Holes Pitch

Size of Manholes in Shell

Dimensions of Compensating Rings



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Thickness of End Plates in Steam Space Approved

" " " " " in Boilers

Pitch of Steam Space Stays

Diar. " " " " Approved Threads per Inch

" " " " " in Boilers "

Material of " " "

How are Stays Secured?

Diar. and Thickness of Loose Washers on End Plates

" " " " Riveted " " "

Width " " Doubling Strips "

Thickness of Middle Back End Plates Approved

" " " " " in Boilers

Thickness of Doublings in Wide Spaces between Fireboxes

Pitch of Stays at " " " "

Diar. of Stays Approved Threads per Inch

" " " in Boilers "

Material "

Are Stays fitted with Nuts outside?

Thickness of Back End Plates at Bottom Approved

" " " " " in Boilers

Pitch of Stays at Wide Spaces between Fireboxes

Thickness of Doublings in " "

Thickness of Front End Plates at Bottom Approved

" " " " " in Boilers

No. of Longitudinal Stays in Spaces between Furnaces



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Diar. of Stays Approved Threads per Inch

" " in Boilers

Material "

Thickness of Front Tube Plates Approved

" " " " in Boilers

Pitch of Stay Tubes at Spaces between Stacks of Tubes

Thickness of Doublings in " " "

" Stay Tubes at " " "

Are Stay Tubes fitted with Nuts at Front End?

Thickness of Back Tube Plates Approved

" " " in Boilers

Pitch of Stay Tubes in Back Tube Plates

" Plain "

Thickness of Stay Tubes

" Plain "

External Diar. of Tubes

Material "

Thickness of Furnace Plates Approved

" " " in Boilers

Smallest outside Diar. of Furnaces

Length between Tube Plates

Width of Combustion Chambers (Front to Back)

Thickness of " " Tops Approved

" " " in Boilers

Pitch of Screwed Stays in C.O. Tops



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VERTICAL DONKEY BOILERS.

No. of Boilers	Type	
Greatest Int. Diar.	Height	
Height of Boiler Crown above Fire Grate		
Are Boiler Crowns Flat or Dished?		
Internal Radius of Dished Ends	Thickness of Plates	
Description of Seams in Boiler Crowns		
Diar. of Rivet Holes	Pitch	Width of Overlap
Height of Firebox Crowns above Fire Grate		
Are Firebox Crowns Flat or Dished?		
External Radius of Dished Crowns	Thickness of Plates	
No. of Crown Stays	Diar.	Material
External Diar. of Firebox at Top	Bottom	Thickness of Plates
No. of Water Tubes	Ext. Diar.	Thickness
Material of Water Tubes		
Size of Manhole in Shell		
Dimensions of Compensating Ring		
Heating Surface, each Boiler	Grate Surface	

SUPERHEATERS.

Description of Superheaters	
Where situated?	
Which Boilers are connected to Superheaters?	
Can Superheaters be shut off while Boilers are working?	
No. of Safety Valves on each Superheater	Diar.
Are „ „ fitted with Easing Gear?	
Date of Hydraulic Test	Test Pressure
Date when Safety Valves set	Pressure on Valves

MAIN STEAM PIPES



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MAIN STEAM PIPES.

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

MAIN GENERATOR

MAIN AUXILIARY ENGINE

TWO-CYLINDER, VERTICAL, SOLID INJECTION
 DEUTZ-DIESEL ENGINE, COLD STARTING, TWO-STROKE,
 WITH SCAVENGE PUMP BUILT ON, FULL DIESEL.
 TYPE: OM Z 122.
 OUTPUT: NORMAL 36 B.H.P. 600 R.P.M.

GENERATOR

TROPICALLY INSULATED & COMPOUND WOUND.
 POWER 22 K.W. 110 VOLTS D.C.

ONE-SET-OFF

EMERGENCY AIR COMPRESSOR

ENGINE

SINGLE CYLINDER, HORIZONTAL, SOLID INJECTION
 DEUTZ DIESEL ENGINE, COLD STARTING,
 FOUR STROKE, FULL DIESEL.
 TYPE M.A.H.-611.
 OUTPUT: NORMAL 5 B.H.P. 1400 R.P.M.

COMPRESSOR

TWO-STAGE

SUCTION CAPACITY 565 CUBIC FEET PER HOUR
 AGAINST A PRESSURE OF 450 LBS. PER SQ. IN.

ONE-SET-OFF

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EVAPORATORS.

No.	Type	Tons per Day
Makers		
Working Pressure	Test Pressure	Date of Test
Date of Test of Safety Valves under Steam		

FEED WATER HEATERS.

No.	Type	
Makers		
Working Pressure	Test Pressure	Date of Test

FEED WATER FILTERS.

No.	Type	Size
Makers		
Working Pressure	Test Pressure	Date of Test

LIST OF DONKEY PUMPS.

BILGE & BALLAST PUMP
ELECTRICALLY DRIVEN, "CENTRIFUGAL" TYPE. BY DEUTZ & CO LTD
CAPACITY 30 TONS PER HOUR AGAINST A HEAD OF 50 FEET.
SUCTION BRANCH 3 $\frac{7}{8}$ "
DISCHARGE BRANCH 3 $\frac{7}{8}$ "

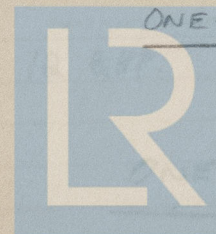
SANITARY PUMP
ELECTRICALLY DRIVEN, "CENTRIFUGAL" TYPE BY DEUTZ & CO LTD
CAPACITY 20 TONS PER HOUR AGAINST A HEAD OF 50 FEET.
SUCTION BRANCH 2"
DISCHARGE BRANCH 2"

MOTOR FOR ABOVE PUMPS.
10 B.H.P. 110 VOLTS D.C.

TWO-SETS OFF

HAND OIL FUEL TRANSFER PUMP
SEMI-ROTARY TYPE.
SUCTION & DISCHARGE BRANCH 2" BORE

ONE-OFF 2021



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SPARE GEAR

No. of Top End Bolts.	No. of Bot. End Bolts.	No. of Cylinder Cover Studs
" Coupling Bolts 6	" Main Bearing Bolts	" Valve Chest "
" Junk Ring Bolts	" Feed Pump Valves	" Bilge Pump Valves
" H.P. Piston Rings	" I.P. Piston Rings	" L.P. Piston Rings
" " Springs	" " Springs	" " Springs
" Safety Valve "	" Fire Bars	" Feed Check Valves
" Piston Rods	" Connecting Rods	" Valve Spindles
" Air Pump Rods	" Air Pump Buckets	" Air Pump Valves
" Cir. "	" Cir. "	" Cir. "
" Crank Shafts	" Crank Pin Bushes	" Crosshead Bushes
" Propeller Shafts ONE	" Propellers ONE	" Propeller Blades
" Boiler Tubes	" Condenser Tubes	" Condenser Ferrules

OTHER ARTICLES OF SPARE GEAR:—

MAIN ENGINE SPARE GEARS AS SUPPLIED BY THE MAIN ENGINE MAKERS

AUXILIARY ENGINES SPARE GEARS AS SUPPLIED BY THE AUXILIARY ENGINE MAKERS

DOUBLE CARGO WINCH

ELECTRICALLY DRIVEN, TOTALLY ENCLOSED TYPE.

BY DEUTZ & CO LTD

FITTED WITH 2 WARPING DRUMS

CAPACITY. $\frac{1}{2}$ TONS AT 85 FEET PER MINUTE (ONE DRUM)
3 TONS AT 85 " " " (2 DRUMS)

MOTOR. 16/20 B.H.P. 110 VOLTS D.C.

ONE-OFF FOR FORWARD HOLD

ONE-OFF FOR AFT. HOLD

WINDLASS

ELECTRICALLY DRIVEN, DIRECT REVERSIBLE TYPE.

BY DEUTZ & CO LTD

CAPACITY - LIFT 2-8 CENTS ANCHORS & TWO $\frac{7}{8}$ "
STUD LINK CABLES EACH 30 FATHOMS LONG
AT A SPEED OF 40-45 FEET PER MINUTE
OR ALTERNATIVELY ONE ANCHOR & 45 FATHOMS
OF CHAIN AT A SPEED OF 60-65 FT./MIN.

MOTOR

12 B.H.P. 110 VOLTS D.C.

ONE-OFF

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REFRIGERATORS.

No. of Machines

Capacity of each

Makers

Description

No. of Steam Cylinders, each Machine

No. of Compressors

No. of Cranks

Particulars of Pumps in connection with Refrigerating Plant and whether worked by Refrigerating Machines
or Independently

System of Refrigeration

Insulation

Are Brine and other Regulating Valves placed so as to be accessible without entering the Insulated Spaces?

Are all Pipes, Air Trunks, &c., well secured and protected from risk of damage?

Are all Bilge, Sounding, and Air Pipes in Insulated Spaces properly insulated?

Are Thermometer Tubes so arranged that Water cannot enter and freeze in them?

Date of Test under Working Conditions

RESULTS OF TRIALS.

Articles of Spare Gear for Refrigerating Plant carried on board:—

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Positions of Auxiliary Switch Boards, with No. of Switches on each

Are Out-outs fitted as follows?—

On Main Switch Board, to Cables of Main Circuits

On Aux. " " each Auxiliary Circuit

Wherever a Cable is reduced in size

To each Lamp Circuit

To both Flow and Return Wires of all Circuits when the Double-Wire System is adopted

Are the Fuses of Standard Sizes?

Are all Switches and Out-outs constructed of Non-inflammable Material?

Are they placed so as to be always and easily accessible?

Smallest Single Wire used, No. S.W.G., Largest, No. S.W.G.

How are Conductors in Engine and Boiler Spaces protected?

" Saloons, State Rooms, &c., " ?

What special protection is provided in the following cases?—

(1) Conductors exposed to Heat or Damp

(2) " passing through Bunkers or Cargo Spaces

(3) " " Deck Beams or Bulkheads

Are all Joints in Cables properly soldered and thoroughly Insulated so that the efficiency of the Cables is unimpaired? *yes*

Are all Joints in accessible positions, none being made in Bunkers or Cargo Spaces? *yes*

Are all Hull Connections for Single-Wire Systems made with Screws of large Surface? *yes*

Are the Dynamos, Motors, Main and Branch Cables, so placed that the Compasses are not injuriously affected by them? *yes*

Have Tests been made to prove that this condition has been satisfactorily fulfilled? *yes*

Has the Insulation Resistance over the whole system been tested? *yes*

What does the Resistance amount to?

Ohms,

Is the Installation supplied with a Voltmeter? *yes*

" " " an Ampere Meter? *yes*

Date of Trial of complete Installation *8/12/36* Duration of Trial *AM - PM*

Have all the requirements of Section 42 been satisfactorily carried out? *As far as possible*



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GENERAL CONSTRUCTION.

Have the Machinery and Boilers been constructed in accordance with the requirements of the Rules and the

Approved Plans? *yes*

If not, give details of the points of difference, and state when these were sanctioned by the Chief

Surveyor, *yes*

yes

Have Tests been made to prove that the condition has been satisfactorily fulfilled?

Has the Installation been made over the whole system been tested?

What has been the Insurance amount to?

Is the Installation supplied with a Valometer?

Has the Installation been supplied with a Valometer?

Date of Trial or complete Installation

Have all the requirements of Section 42 been satisfactorily carried out?

Are the Materials used in the Construction of Engines and Boilers, so far as could be seen, sound and

trustworthy? *yes*

Is the Workmanship throughout thoroughly satisfactory? *yes*

Are they placed so as to be always accessible?

Has the above correctly describes the Machinery of the *PULAU KIDTANG*

as ascertained by *me* from personal examination

What special provisions is provided in the following cases?

(1) Obstructions exposed to view or being

(2) Obstructions exposed to view or being

(3) Obstructions exposed to view or being

(4) Obstructions exposed to view or being

(5) Obstructions exposed to view or being

(6) Obstructions exposed to view or being

(7) Obstructions exposed to view or being

(8) Obstructions exposed to view or being

(9) Obstructions exposed to view or being

Fees—

MAIN BOILERS. £ s. d.

H.S. Sq. ft. : :

G.S. " : :

DONKEY BOILERS.

H.S. Sq. ft. : :

G.S. " : :

£ : :

ENGINES.

L.P.C. Cub. ft. : :

£ : :

Testing, &c. ... : :

£ : :

Expenses ... : :

Total ... £ : :

It is submitted that this Report be approved,

John King
Chief Surveyor.

Approved by the Committee for the Class of M.B.S.* on the

22nd SEP 1937
22nd September 1937

Fees advised

Fees paid



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Secretary.

Alan W. Blount
Engineer Surveyor to the British Corporation for the
Survey and Registry of Shipping.

Notes: -

MAIN PORTS: -

SE. -

SE. -

SE. -

SE. -

SE. -

SE. -

SE. -

SE. -

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