

REPORT ON MACHINERY

No. 2581

Writing Report

19

When handed in at Local Office

Received at London Office

25 FEB. 1920

Survey held at

Osaka

Port of

Kobe

Date, First Survey

10th June 1918

Last Survey

5th July

1919

on the

Twin Screw Engines for Asano Shipyard No. 17.

(Number of Visits)

Built at

Osaka

By whom built

Kubota Iron Works

Tons

Gross

Net

When built

when made

7. 1919.

made at

made at

ed Horse Power

se Power as per Section 28

Owners

Port belonging to

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

ES, &c.—Description of Engines

Triple Expansion. Twin Screws.

No. of Cylinders

6

No. of Cranks

6

Cylinders

22: 36½: 61

Length of Stroke

48

Revs. per minute

as per rule 13.4

Material of

Stul.

ew shaft fitted with a continuous liner the whole length of the stern tube

Dig. of Screw shaft

as fitted 13.7½

screw shaft

Stul.

opeller boss

Yes

If the liner is in more than one length are the joints burned

Yes

Is the after end of the liner made water tight

the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

Yes

If the liner does not fit tightly at the part

fitted, is the shaft lapped or protected between the liners

Yes

If two

Length of stern bush

5' 2"

Dia. of Crank shaft journals

as per rule 12.76

as per rule 12.159

Dia. of Crank shaft journals

as fitted 12.36

Dia. of Crank pin

as fitted 13.16

Size of Crank webs

8½ x 24½

Dia. of thrust shaft under

1½

Dia. of screw

16' 0"

Pitch of Screw

18' 0"

No. of Blades

4

State whether moveable

ed pumps

Yuso

Diameter of ditto

4"

Stroke

24"

Can one be overhauled while the other is at work

Yes

Yes

Rods

Yuso

Diameter of ditto

4"

Stroke

24"

Can one be overhauled while the other is at work

Yes

Yes

Propeller

Key Engines

Sizes of Pumps

No. and size of Suctions connected to both Bilge and Donkey pumps

In Holds, &c.

No. of Blades

4

State whether moveable

Yes

Room

Injections

sizes

Connected to condenser, or to circulating pump

Is a separate Donkey Suction fitted in Engine room & size

Are the roses in Engine room always accessible

Are the sluices on Engine room bulkheads always accessible

Are they Valves or Cocks

Are the Discharge Pipes above or below the deep water line

Are the Blow Off Cocks fitted with a spigot and brass covering plate

How are they protected

Are the Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges

Shaft Tunnel watertight

Is it fitted with a watertight door

worked from

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Is it fitted with a watertight door

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Examination of principal parts—Cylinders 21/3 - 14/5/19 Slides 28/3/19 etc. Covers 21/3/19 etc. Pistons 28/3/19 etc. Rods 14/6/19
Connecting rods 12/5/19 Crank shaft 14/8/18 etc. Thrust shaft 10/6/18 Tunnel shafts 20/6/18 etc. Screw shaft 4/12/18 etc. Propellers 28/3/19
Stern tube 25/12/18 Steam pipes tested Engine and boiler seatings Engines holding down bolts
Completion of pumping arrangements Boilers fixed Engines tried under steam
Completion of fitting sea connections Stern tube Screw shaft and propeller
Main boiler safety valves adjusted Thickness of adjusting washers
Material of Crank shaft Steel Identification Mark on Do. Lloyd's 19.2.19 X 3. 12 Material of Thrust shaft Steel Identification Mark on Do. Lloyd's 19.2.19 X 3. 12
Material of Tunnel shafts Steel Identification Marks on Do. Lloyd's 30.9.18 5.10.18; 10.10.18 and 14.11.18 X 3. 12 Material of Screw shafts Steel Identification Marks on Do. Lloyd's 30.9.18 5.10.18; 10.10.18 and 14.11.18 X 3. 12
Material of Steam Pipes Test pressure Lloyd's 30.9.18 5.10.18; 10.10.18 and 14.11.18 X 3. 12
Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.
Have the requirements of Section 49 of the Rules been complied with
Is this machinery duplicate of a previous case Yes If so, state name of vessel Asano Shipyard No 16

General Remarks (State quality of workmanship, opinions as to class, &c.)

These engines have been made and fitted together at the Kubota Works, Osaka under Special Survey and in accordance with the Rules and materials made at the and workmanship have been found good. The steel forgings (excepting five crank journals & two pins made at the Nippon Steel Works) have been forged and rough turned at the Kobe Works.

The engines have been sent to Yokohama to be fitted on board.

The amount of Entry Fee ... £ : : When applied for, 18th 8. 1919
Special ... Yen 200 : :
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ : 20 : 19.

Committee's Minute

Assigned

TUE MAR 2 - 1920

See YKa for int 2556

A. L. Jones Y. Jo.

assist. Engineer Surveyor to Lloyd's Register of



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Lloyd's Register Foundation

Rpt. 13.

REPORT

Port of Yokohama

No. in Reg. Book on the 1st

Built at

Owners United States

Yard No. 17

DESCRIPTION OF DY

A) Vertical hi

to 6 poles

Capacity of Dynamo (B)

Where is Dynamo fixed

Position of Main Switch

Positions of auxiliary su

shelter deck aft

middle fore 1 of

fuses are fitted on ma

circuits Yes

vessel is wired on the d

are the fuses of non-oxidiz

are all fuses fitted in easily

are permanent instructi

are all switches and fuses co

total number of lights provid

Engine & Boiler

room circuit) 71

(After circuit) 30

(Middle after

circuit) 53

(Middle fore & fo

circuit) 58

(Navigation lamp

circuit) 5

Mast head light with

Side light with

8 Cargo

are lights, what protection is

One morse s

are the switches controll

DESCRIPTION OF CABLES.

cable carrying (B) 100

A 35.5

each cables carrying B 29.5

C 39.5

each cables carrying D 44.5

E 2.5.

to lamps carrying 4 An

light cables carrying 3 Am

DESCRIPTION OF INSULATION

er wire through wa

pt in living rooms

in cables, how made, insulated,

the joints of cables thoroughly

positions, none being made in bu

ere any joints in or branches fro

re the cables led through the ship