

REPORT ON MACHINERY.

No. 04326

Received at London Office

Date of writing Report 10 April 1922 When handed in at Local Office

19

Port of

Amsterdam

No. in Survey held at
Reg. Book.

Delft & Groningen

Date, First Survey

23 Nov 1920

Last Survey

29 March 1922

30440 on the

Twin Screw steamer "PRESIDENT COMEZ"

(Number of Visits 17)

Gross 1133

Tons

Net 544

When built 1922

Master

Built at

Groningen

By whom built

Schepwerf "Gideon" Hobbe

Engines made at

Delft

By whom made

H.V. Machinefabriek "Dok"

when made

1922

Boilers made at

Dordrecht

By whom made

Maasfabriek "De Boerboek"

when made

1921

Registered Horse Power

Owners

Bataafsche Petroleum M.C. Port belonging to Willemstad

Nom. Horse Power as per Section 28

134 116

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

ENGINES, &c.—Description of Engines

Twin Triple exp.

No. of Cylinders 3 each

No. of Cranks 3 each

Dia. of Cylinders

11 7/8, 18 1/8, 29 1/8

Length of Stroke

500 mm

Revs. per minute

140

Dia. of Screw shaft

as per rule 166 mm

Material of

SWS

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

No. 2 liners

Is the after end of the liner made water tight

in the propeller boss

Yes

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

Yes

If the liner does not fit tightly at the part

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

Yes

liners are fitted, is the shaft lapped or protected between the liners

lapped between liners

Length of stern bush

640 in brackish

Dia. of Tunnel shaft

as per rule 144 mm

Dia. of Crank shaft journals

as per rule 151 mm

Dia. of Crank pin

155 mm

Size of Crank webs

103 x 206

Dia. of thrust shaft under

collars 155 mm

Dia. of screw

250

Pitch of Screw

250 mm

No. of Blades

4

State whether moveable

No

Total surface

146 m²

No. of Feed pumps

1

Diameter of ditto

55 mm

Stroke

220 mm

Can one be overhauled while the other is at work

No. of Bilge pumps

1

Diameter of ditto

55 mm

Stroke

220 mm

Can one be overhauled while the other is at work

No. of Donkey Engines

2

Sizes of Pumps

4 1/2 x 2 1/4 x 4 x 5 1/2 x 4 1/4 x 5

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

In Engine Room 2 x 2 1/2": 2 x 3 1/2"; oil well in boiler room 2"

In Holds, &c.

each approx.

1 x 8"; Forepeak & Deep tank = resp.

1 x 4" and 2 x 4". Pump room 3 x 3 1/4"

No. of Bilge Injections

2

sizes

3 1/2"

Connected to condenser, or to circulating pump

Is a separate Donkey Suction fitted in Engine room & size

Yes 1 x 2 1/2"

Are all the bilge suction pipes fitted with roses

Yes

Are the roses in Engine room always accessible

Yes

Are the sluices on Engine room bulkheads always accessible

Yes

Are all connections with the sea direct on the skin of the ship

Yes

Are they Valves or Cocks

Both

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Yes

Are the Discharge Pipes above or below the deep water line

Yes

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel

Yes

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

Yes

What pipes are carried through the bunkers

Yes

How are they protected

Yes

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Yes

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

Yes

Is the Screw Shaft Tunnel watertight

None

Is it fitted with a watertight door

Yes

worked from

Yes

BOILERS, &c.—(Letter for record

Manufacturers of Steel kindly see Rotterdam report Boiler No. 14 May 1921

Total Heating Surface of Boilers

2140

Is Forced Draft fitted

No

No. and Description of Boilers

2 S.B.

Working Pressure

192 lb.

Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of Safety Valves to

each boiler 2 spring loaded

Area of each valve

60 mm

Pressure to which they are adjusted

192 lbs

Are they fitted with easing gear

Yes

Smallest distance between boilers or uptakes and bunkers or woodwork

1 ft 6 in

Mean dia. of boilers

Length

Material of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

Per centages of strength of longitudinal joint

rivets

Working pressure of shell by rules

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each boiler

Material

Outside diameter

Length of plain part

top

Thickness of plates

crown

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

Top

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Area at smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space:

Material

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Material of stays

Area at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of Lower back plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide water spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and

thickness of girder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

Working pressure by rules

Steam dome: description of joint to shell

% of strength of joint

Diameter

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet holes

Pitch of rivets

Working pressure of shell by rules

Crown plates

Thickness

How stayed

SUPERHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

Date of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

W1298-0140

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Foundation

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

One crankshaft, one propeller shaft, 1 pair of connecting rod brasses & 1 pair of crosshead brasses, 1 set of link brasses, 1 eccentric strap complete, all with bolts & nuts 1 air pump rod, 1 circulating pump rod, 1 feed & 1 bilge pump plunger & main bearing bolts, 1 set of coupling bolts, 1 set of feed & bilge pump valves, 1 set of piston springs & quantity assorted bolts & nuts. Two various sizes

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops -- 23 Nov 1920 - 1921 - 10 Feb 24 Feb 9 March 20 April 5 May 26 May 30 Aug. 9 Nov
During erection on board vessel -- 30 Nov. 1922 Jan 1924 Feb 21-22. 20 March 29
Total No. of visits 17.

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

Dates of Examination of principal parts—Cylinders 24 Feb 3 May Slides 20 April 3 May Covers 20 April 3 May Pistons 20 April 3 May Rods 10 Feb 30 Aug
Connecting rods 10 Feb Crank shaft 3 May 9 Nov Thrust shaft 3 May 9 Nov Tunnel shafts 3 May 9 Nov Screw shaft 3 May 9 Nov Propeller 9 Nov
Stern tube 9 Nov Steam pipes tested 21 Feb Engine and boiler seatings Jan 10 24 Engines holding down bolts 24 Jan
Completion of pumping arrangements Jan 24 Boilers fixed Dec 10 Engines tried under steam 29 March
Completion of fitting sea connections 9 Nov Stern tube 9 Nov Screw shaft and propeller 9 Nov
Main boiler safety valves adjusted 29 March Thickness of adjusting washers Part 11 1/2 x 10 1/2 Stb. 12.5 x 14 mm
Material of Crank shaft SMS Identification Mark on Do. C 24-2-21 Lloyd's 8
Material of Thrust shaft SMS Identification Mark on Do. C 24-2-21 Lloyd's 8
Material of Tunnel shafts SMS Identification Marks on Do. 454-460 Lloyd's 8
Material of Screw shafts SMS Identification Marks on Do. 454-460 Lloyd's 8
Material of Steam Pipes Stal Test pressure 576 lbs
C 24-6-21 Lloyd's 8

Is an installation fitted for burning oil fuel Yes Is the flash point of the oil to be used over 150°F. Yes

Have the requirements of Section 49 of the Rules been complied with Yes

Is this machinery duplicate of a previous case No If so, state name of vessel Yes

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

This vessel's Machinery has been fitted aboard in accordance with the Society's rules and as per approved plans. Material duly tested. Tried engines under full working conditions found working satisfactory and without heating whatever. Spare gear checked found complete. I am of opinion that this vessel may be found eligible to be recorded in the Society's Register Book. LMC 3.22.

The amount of Entry Fee ... £ 36.00

Special 3/5 ... £ 342.00

Donkey Boiler Fee ... £ :

Travelling Expenses (if any) £ 342.00

When applied for,

19.

When received,

20/4/22

Committee's Minute

Assigned

MACHINERY CERT
WRITTEN

+ L.M.C. 4.22

FRI. 23 FEB 1923

TUES. 5 JUL 1927

FRI. 17 SEP 1926

FRI. 1 JUN 1923

TUES. 7 APR 1925

FRI. 2 JAN 1925

TUES. 21 FEB 1928

TUES. 21 JUN 1926

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