

Rpt. 4.

REPORT ON MACHINERY

No. 12032
MON JUL 26 1920

Date of writing Report 17 July 1920 When handed in at Local Office

Port of Rotterdam Date, First Survey 6 Dec 1919 Last Survey July 1920

No. in Survey held at Rotterdam Reg. Book.

on the Steamship VICTORIEUX VALENTEVO Tons (Gross 5691.54 Net 3000.90)

Master Alex Benge Built at Vegoach By whom built Premier Vulcan when made 1911

Engines made at Vegoach By whom made ditto when made 1911

Boilers made at ditto By whom made ditto Port belonging to Havreille

Registered Horse Power Owners Joseph Puppi Is Electric Light fitted Yes

Nom. Horse Power as per Section 28 442 495 Is Refrigerating Machinery fitted for cargo purposes no No. of Cranks 3

ENGINES, &c.—Description of Engines Triple Expansion Marine No. of Cylinders 3 Material of screw shafts Sell

Dia. of Cylinders 27 1/2 x 46 3/8 x 24 Length of Stroke 49 1/8 Revs. per minute 65 Dia. of Screw shaft as fitted 10 3/8 Is the after end of the liner made water tight

Is the screw shaft fitted with a continuous liner the whole length of the stern tube Yes If the liner does not fit tightly at the part in the propeller boss Yes If the liner is in more than one length are the joints burned no

between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Yes Length of stern bush 6 1/2

liners are fitted, is the shaft lapped or protected between the liners Yes Dia. of Crank pin 5 3/8 Size of Crank webs 9 7/8 Dia. of thrust shaft under

Dia. of Tunnel shaft as fitted 13 7/8 Dia. of Crank shaft journals as fitted 4 5/8 No. of Blades 4 State whether moveable Yes Total surface 90 8

collars 4 3/8 Dia. of screw 10 5/8 Pitch of Screw 20 Can one be overhauled while the other is at work Yes

No. of Feed pumps 2 Diameter of ditto 3 3/4 Stroke 2 1/2 Can one be overhauled while the other is at work Yes

No. of Bilge pumps 2 Diameter of ditto 5 Stroke 2 1/2 No. and size of Suctions connected to both Bilge and Donkey pump 9 1/2 x 14 1/8 x 11 7/8

No. of Donkey Engines 4 Sizes of Pumps 2 7/8 x 5 1/2 x 3 3/8 In Holds, &c. No. II 2 x 3 1/2 No. III 2 x 3 1/2 x 1 3/8

In Engine Room 4 x 3 1/2 Tunnelwell 1 x 3 1/2 Is a separate Donkey Suction fitted in Engine room & size Yes 3 1/2

No. of Bilge Injections 1 sizes 2 Connected to circulating pump Are the sluices on Engine room bulkheads always accessible Yes

Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are they Valves or Cocks Both

Are all connections with the sea direct on the skin of the ship Yes Are the Discharge Pipes above or below the deep water level above

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes How are they protected Yes

What pipes are carried through the bunkers none 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 Yes Is it fitted with a watertight door Yes worked from E. R. top platform

BOILERS, &c.—(Letter for record 5) Manufacturers of Steel 3 S E Bouché & Co. No. and Description of Boilers 3 S E Bouché & Co.

Total Heating Surface of Boilers 67780 Is Forced Draft fitted Yes No. of Certificate 1

Working Pressure 192 lbs. Tested by hydraulic pressure to 600 lbs. Date of test 1-6-20 No. and Description of Safety Valves to

Can each boiler be worked separately Yes Area of fire grate in each boiler 500 Are they fitted with easing gear Yes

each boiler 2 Spring loaded Area of each valve 7.125 Pressure to which they are adjusted 192 lbs. Material of shell plates Sell

Smallest distance between boilers or uptakes and bunkers or woodwork Yes Mean dia. of boilers 3'-11 1/2" Length 12'-9 1/2" Descrip. of riveting: cir. seam double

Thickness 1 1/2" Range of tensile strength 20222 Are the shell plates welded or flanged Yes Lap of plates or width of butt straps 2 7/8

long. seams double butt Diameter of rivet holes in long. seams 1 3/8 Pitch of rivets 7 3/4 Size of manhole in shell 11 1/4 x 5 3/4

Per centages of strength of longitudinal joint plate 92 1/2 Working pressure of shell by rules 200 Material Sell Outside diameter 41 3/8

Size of compensating ring 1 7/2 x 1 1/4 No. and Description of Furnaces in each boiler 3 Horizontal Material Sell No. of strengthening rings 1

Length of plain part top bottom Thickness of plates crown 1 7/2 Description of longitudinal joint Welded Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 7/8

Working pressure of furnace by the rules 200 Combustion chamber plates: Material Sell Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 7/8

Pitch of stays to ditto: Sides 7/8 x 7/8 Back 7/8 x 7/8 Top 7/4 x 7/8 If stays are fitted with nuts or riveted heads none Working pressure by rules 192 End plate in steam space:

Material of stays Sell Area at smallest part 1.480 Area supported by each stay 620 Working pressure by rules 200 Material of stays Sell

Material Sell Thickness 1 3/2 Pitch of stays 4/8 x 7/4 How are stays secured Double Working pressure by rules 231 Material of Front plates at bottom Sell

Area at smallest part 5 9/4 Area supported by each stay 243 Working pressure by rules 231 Working pressure of plate by rules 235

Thickness 1 1/6 Material of Lower back plate Sell Thickness 1 3/6 Greatest pitch of stays 4/8 Working pressure of plate by rules 235

Diameter of tubes 3 1/4 Pitch of tubes 5 1/2 Material of tube plates Sell Thickness: Front 1 1/6 Back 1 5/8 Mean pitch of stays 11

Pitch across wide water spaces 14 1/8 Working pressures by rules 250 Girders to Chamber tops: Material Sell Depth and

thickness of girder at centre 2 x 19 1/2 x 9 1/4 Length as per rule 32 7/8 Distance apart 7 1/6 Number and pitch of stays in each 3 x 7 3/4

Working pressure by rules 192 Steam dome: description of joint to shell Yes Diam. of rivet holes

Diameter Thickness of shell plates Material Description of longitudinal joint Thickness How stayed

Pitch of rivets Working pressure of shell by rules Crown plates Tested by Hydraulic Pressure to

SUPERHEATER. Removed Date of Approval of Plan Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes

Date of Test

Diameter of Safety Valve

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

Pressure to which each is adjusted

Is Easing Gear fitted

W783-0045

IS A DONKEY BOILER FITTED? *no*

If so, is a report now forwarded? *✓*

SPARE GEAR.

State the articles supplied:— 2 Connecting rod & crank bolts, 2 bottom nut bolts, 2 main bearing bolts, 1 set of connecting bolts, 1 set of piston pin & piston bolts, 1 set of piston springs, a quantity of assorted bolts and nuts, iron of various sizes. A number of other parts was found on board, but the condition thereof could not be ascertained.

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops -- }
{ During erection on board vessel -- }
Total No. of visits 21

Secretary's letters 25.3.1920, 26.4.1920.

Is the approved plan of main boiler forwarded herewith *no*

" " " donkey " " " *✓*

Dates of Examination of principal parts—Cylinders 5.12.19 Slides 5.12.19 Covers 5.12.19 Pistons 5.12.19 Rods 16.12.19

Connecting rods 6.12.19 Crank shaft 5.12.19 Thrust shaft 3.2.20 Tunnel shafts 3.2.20 Screw shaft 2.2.20 Propeller 2.2.20

Stern tube 1.2.20 Steam pipes tested 3.1.20 Engine and boiler seatings 20.1.20 Engines holding down bolts 2.2.20

Completion of pumping arrangements 22.3.20 Boilers fixed *✓* Engines tried under steam 2.2.20

Completion of fitting sea connections 22.3.20 Stern tube *✓* Screw shaft and propeller *✓*

Main boiler safety valves adjusted 2.2.20 Thickness of adjusting washers 53 7/8" *✓* 30" 9/16" *✓*

Material of Crank shaft *Steel* Identification Mark on Do. *92* Material of Thrust shaft *Steel* Identification Mark on Do. *92*

Material of Tunnel shafts *Steel* Identification Marks on Do. *92* Material of Screw shafts *Steel* Identification Marks on Do. *92*

Material of Steam Pipes *Steel* Test pressure 540 *lbs*.

Is an installation fitted for burning oil fuel *no* 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 *✓* If so, state name of vessel *✓*

General Remarks (State quality of workmanship, opinions as to class, &c. The vessel's machinery

has been verified with the approved plans and examined throughout as required by Section 48 of the Rules and Secretary's letters. All parts were found in good condition and is in our opinion eligible for the notation LMC 7.20 FD. and T.S. 7.20 (continuous line).

It is submitted that this vessel is eligible for THE RECORD. LMC 7.20 FD.

S. 7.20

ReM

18/7/20

ARJ

The amount of Entry Fee ... £ 36.00 : When applied for, ...
Special ... £ 505.20 : ...
Donkey Boiler Fee ... £ : When received, ...
Travelling Expenses (if any) £ 5.00 : ...

Committee's Minute

Assigned

TUE. AUG. 17 1920

LMC 7.20 FD.

J. J. Ockler A. Byls
Engineer Surveyor to Lloyd's Register of Shipping.



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