

Rpt. 4.

## REPORT ON MACHINERY

No. 5740

Date of writing Report 6.8.

19 21

When handed in at Local Office

8.8.

19 21

Received at London Office

SAT. 13 AUG. 1921

No. in Survey held at Lussingino  
Reg. Book. on the S.S. Lodoletta

Date, First Survey

June 12,

Last Survey

June 28 1921

(Number of Visits six)Master A. Martinolich Built at Lussingino By whom built M. U. Martinolich

Tons } Gross

Net

When built

Engines made at PragueBy whom made The United Machine Factories A. when made 1921Boilers made at GenoaBy whom made Gior. Ansaldo & Co

when made 1921

Registered Horse Power

Owners S. A. di Navig. M. V. MartinolichPort belonging to LussinginoNom. Horse Power as per Section 28 52.Is Refrigerating Machinery fitted for cargo purposes noIs Electric Light fitted noENGINES, &c. See Prague Report

Description of Engines

Triple ExpansionNo. of Cylinders 3No. of Cranks 3Dia. of Cylinders 270 x 430 x 700Length of Stroke 600Revs. per minute 160

Dia. of Screw shaft

as per rule 151.9Material of S.M.S.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

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 no

If two

liners are fitted, is the shaft lapped or protected between the liners noLength of stern bush 615

Dia. of Tunnel shaft

as per rule 131.74as fitted 135/140

Dia. of Crank shaft journals

as per rule 138.33as fitted 145Dia. of Crank pin 145Size of Crank webs 90-165

Dia. of thrust shaft under

collars 145Dia. of screw 2055Pitch of Screw 2000No. of Blades 4State whether moveable noTotal surface 1.7To. of Feed pumps 1Diameter of ditto 60Stroke 200Can one be overhauled while the other is at work yesTo. of Bilge pumps 1Diameter of ditto 60Stroke 200Can one be overhauled while the other is at work yesTo. of Donkey Engines 1SIZES OF PUMPS 2-140x90x170

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

In Holds, &c. 1 in forward hold & 65

One in

of Bilge Injections 1sizes 70Connected to condenser, or to circulating pump yesIs a separate Donkey Suction fitted in Engine room & size yes 55all the bilge suction pipes fitted with roses yesAre the roses in Engine room always accessible yesAre the sluices on Engine room bulkheads always accessible noall connections with the sea direct on the skin of the ship yesAre they Valves or Cocks valves & cocksthey fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yesAre the Discharge Pipes above or below the deep water line abovethey each fitted with a Discharge Valve always accessible on the plating of the vessel yesAre the Blow Off Cocks fitted with a spigot and brass covering plate yesHow are they protected noall pipes are carried through the bunkers noneall Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yesthe Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges yesScrew Shaft Tunnel watertight noIs it fitted with a watertight door yesworked from top of cylindersMANUFACTURERS, &c. (Letter for record 3)

Manufacturers of Steel

Heating Surface of Boilers 1040Is Forced Draft fitted noNo. and Description of Boilers one cyl. single endWorking Pressure 770/165Tested by hydraulic pressure to 320/165Date of test 27-6-21No. of Certificate —each boiler be worked separately noArea of fire grate in each boiler 35

No. and Description of Safety Valves to

boiler 2 direct up. load. TripArea of each valve 5.94

Pressure to which they are adjusted

Distance between boilers or uptakes and bunkers or woodwork 1'-0"Mean dia. of boilers 125Length 120Material of shell plates steel

Range of tensile strength

Are the sh. plates welded or flanged noDescrip. of riveting: cir. seams Tubular doubleseams Tubular DBDiameter of rivet holes in long. seams 1.02Pitch of rivets 10.86Lap of plates or width of butt straps 16.37

Advantages of strength of longitudinal joint

rivets 89.6Working pressure of shell by rules 170/165Size of manhole in shell 15.75 x 20.63compensating ring 27 x 30.86No. and Description of Furnaces in each boiler 2 DrummondMaterial steelOutside diameter 38.93of plain part 27.64Thickness of plates 0.57Description of longitudinal joint rivetedNo. of strengthening rings 2Working pressure of furnace by the rules 186Combustion chamber plates: Material steelThickness: Sides 1/32Back 1/32Top 1/32Bottom 1/32If stays are fitted with nuts or riveted heads nutsWorking pressure by rules 174of stays to ditto: Sides 6.6 x 7.5Back 6.6 x 7.5Top 6.6 x 7.5Bottom 6.6 x 7.5Area at smallest part 1.240Area supported by each stay 49.5Working pressure by rules 200

End plates in steam space:

at smallest part 4.7Area supported by each stay 195Working pressure by rules 189/165Material of stays steelMaterial of Lower back plate steelThickness 1/16Greatest pitch of stays 14 x 7.5Working pressure of plate by rules 182/165Pitch of tubes 4Material of tube plates steelThickness: Front 13/16Back 11/16Mean pitch of stays 8.1 x 8.1Working pressures by rules 262/165Girders to Chamber tops: Material steel

Depth and

of girder at centre 7.5Length as per rule 28Distance apart 7.5Number and pitch of stays in each 3 & 6.6

Steam dome: description of joint to shell

Thickness of shell plates

Material

% of strength of joint

Working pressure of shell by rules

Description of longitudinal joint

Diam. of rivet holes

How stayed

Type

Date of Approval of Plan

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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

Superheater. Type

Test

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



*If so, is a report now forwarded?*

*The foregoing is a correct description,*

*Manufacturer.*

Is the approved plan of main boiler forwarded herewith

“ “ “ *donkey* “ “

Connecting rods 29-3-21 Crank shaft 25-4-21 Thrust shaft 25-4-21 Tunnel shafts 23-2-21 Screw shaft 2-5-21 Propeller

Stern tube 12-6-21 Steam pipes tested 24-6-21 Engine and boiler seatings 12-6-21 Engines holding down bolts 25-6-21

Completion of pumping arrangements 25-6-21      Boilers fixed 25-6-21      Engines tried under steam 28-6-21

Completion of fitting sea connections 12-6-21 Stern tube 12-6-21 Screw shaft and propeller

Main boiler safety valves adjusted ..... Thickness of adjusting washers .....

Material of Crank shaft Steel Identification Mark on Do. 343CAH22 Material of Thrust shaft Steel Identification Mark on Do. 392C

Material of Tunnel shafts	Identification Marks on Do.	Material of Screw shafts	Identification Marks on Do.
---------------------------	-----------------------------	--------------------------	-----------------------------

Material of Steam Pipes copper Test pressure 360 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 no If so, state name of vessel —

**General Remarks** (State quality of workmanship, opinions as to class, &c. This engine has been been under special survey at Prague, it has been unsatisfactory fitted on board and tried under full working condition found satisfactory. The Boiler has not been built under survey but the plan of same has been approved by the Committee; it has been examined, the sizes and measurements compared with the approved plan and found in order. The Boiler was tested to 320 lbs water pressure and found good. See London letter H-5-21 to Jamaica Surveyor.

It is submitted the machinery of this vessel will be worthy for the notation of T L M C with date, when the survey is complete. See letter attached

When applied for,

When received,

Committee's Minute FRI. 16 SEP. 1921

*Assigned*

no action

TUE MAR 20 1923

WED. AUG. 8 1923

FRI. JUL 27 1953

Subject

mittee's M

**Character Assi**