

REPORT ON MACHINERY.

No. 2568
TUE. MAY. 23 1922

Date of writing Report 3. V. 1922 When handed in at Local Office

Received at London Office

Port of FIUME

No. in Survey held at Reg. Book. 1205 on the

FIUME

Date, First Survey 5. 1. 22 Last Survey 7. 1 1922

S.S. SLAVIA.

(Number of Visits 4)

Master Built at Lussinpiccolo By whom built M. W. Martinovich

Tons } Gross 234
Net 134

Engines made at Newburg By whom made Plenty & Son

When built 1911

Boilers made at Newburg By whom made Plenty & Son

when made 1911

Registered Horse Power Owners Austro-Heratsko Por. Drust. Port belonging to Fante.

nom. Horse Power as per Section 28 32 63. Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted yes.

ENGINES, &c.—Description of Engines Compound No. of Cylinders 2 No. of Cranks 2

Dia. of Cylinders 17 1/2 x 33 3/16 Length of Stroke 18 Revs. per minute Dia. of Screw shaft as per rule 7.14 as fitted 7 1/4 Material of screw shaft steel

the screw shaft fitted with a continuous liner the whole length of the stern tube 2 liners. Is the after end of the liner made water tight

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

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

Dia. of Tunnel shaft as per rule 6.35 as fitted 6.4 Dia. of Crank shaft journals as per rule 6.65 as fitted 6.7 Dia. of Crank pin 6.8 Size of Crank webs 3/8 x 120 Dia. of thrust shaft under

bars 6.8 Dia. of screw 7 1/2 Pitch of Screw No. of Blades State whether moveable Total surface

No. of Feed pumps 2 Diameter of ditto 2.4 Stroke 0.85 Can one be overhauled while the other is at work No

No. of Bilge pumps 2 Diameter of ditto 2.4 Stroke 0.85 Can one be overhauled while the other is at work No

No. of Donkey Engines one Sizes of Pumps 4.5 x 2.7 No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room No 2 - size = 1.85 aft. one diam. 3.5 In Holds, &c. one phi = 35

No. of Bilge Injections 1 sizes 4.7 Connected to condenser to circulating pump yes. Is a separate Donkey Suction fitted in Engine room & size yes. = size 9

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

all connections with the sea direct on the skin of the ship yes. Are they Valves or Cocks Valves

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 above

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

all pipes are carried through the bunkers How are they protected

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

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

the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

HEATERS, &c.—(Letter for record S.) Manufacturers of Steel

Total Heating Surface of Boilers 1310 Is Forced Draft fitted No No. and Description of Boilers One cylindrical Boilers.

Working Pressure 130 lbs. Tested by hydraulic pressure to Date of test No. of Certificate

each boiler be worked separately Area of fire grate in each boiler 42 1/4 No. and Description of Safety Valves to

boiler two ADAM. Area of each valve 4.91 Pressure to which they are adjusted Are they fitted with easing gear yes.

Least distance between boilers or uptakes and bunkers on woodwork 12 Int. dia. of boilers 10.9 Length 11 1/2 Material of shell plates steel.

Thickness 1/16 Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams double

seams treble. Diameter of rivet holes in long. seams 15/16 Pitch of rivets 6 3/4 Lap of plates or width of butt straps 13

Percentages of strength of longitudinal joint rivets 89.35% plate 86.10% Working pressure of shell by rules 133.2 lbs. Size of manhole in shell 16 x 12

No. of compensating ring 46 x 42 No. and Description of Furnaces in each boiler one Morrison Material steel Outside diameter 35 7/8

Thickness of plates top 10 bottom 7/16 Description of longitudinal joint Welded No. of strengthening rings

Working pressure of furnace by the rules 146.3 lbs. combustion chamber plates: Material steel Thickness: Sides 9/16 Back 19/32 Top 9/16 Bottom 7/8

No. of stays to ditto: Sides 10 x 8 Back 10 x 8 1/4 Top 8 x 9 If stays are fitted with nuts or riveted heads with nuts Working pressure by rules 152 lbs.

Material of stays steel Area at smallest part 1.48 Area supported by each stay 72 Working pressure by rules 152 lbs. End plates in steam space;

Material steel Thickness 7/8 Pitch of stays 16 x 18 How are stays secured Nos. & d. nuts Working pressure by rules 130 lbs. Material of stays steel

Area at smallest part 3.55 Area supported by each stay 394 Working pressure by rules 130 lbs. Material of Front plates at bottom steel

Thickness 7/8 Material of Lower back plate steel Thickness 7/8 Greatest pitch of stays 13 x 10 Working pressure of plate by rules 130 lbs.

Diameter of tubes 2 3/4 Pitch of tubes 4 x 4 Material of tube plates steel Thickness: Front 7/8 Back 1/16 Mean pitch of stays 13.5 x 10

Working pressures by rules 150 lbs. Girders to Chamber tops: Material steel Depth and

Thickness of girder at centre 6 3/4 x 1 1/2 Length as per rule 2-5 Distance apart 9 Number and pitch of stays in each No 2 - 8

Working pressure by rules 265 lbs. Steam dome: description of joint to shell Welded. % of strength of joint

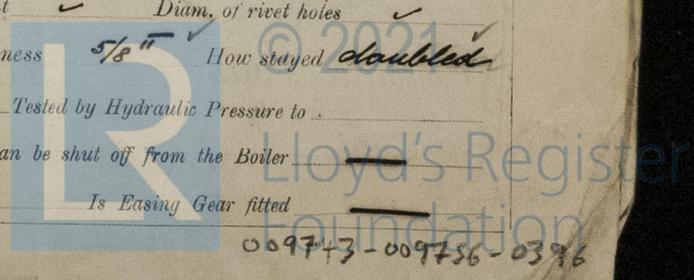
Diameter 2-0 Thickness of shell plates 1/2 Material steel Description of longitudinal joint Diam. of rivet holes

Material of rivets Working pressure of shell by rules 142 lbs. Crown plates steel Thickness 5/8 How stayed doubled

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

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

Pressure to which each is adjusted



009743-009756-0396

IS A DONKEY BOILER FITTED?

No.

If so, is a report now forwarded? —

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building	{ During progress of work in shops - - }	✓	Is the approved plan of main boiler forwarded herewith
	{ During erection on board vessel - - - }	✓	
	{ Total No. of visits }	✓	

Dates of Examination of principal parts—Cylinders	Slides	Covers	Pistons	Rods
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Connecting rods	Crank shaft	Thrust shaft	Tunnel shafts	Screw shaft	Propeller
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Stern tube	Steam pipes tested	Engine and boiler seatings	Engines holding down bolts
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Completion of pumping arrangements	Boilers fixed	Engines tried under steam
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Completion of fitting sea connections	Stern tube	Screw shaft and propeller
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Main boiler safety valves adjusted	Thickness of adjusting washers
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Material of Crank shaft	Identification Mark on Do.	Material of Thrust shaft	Identification Mark on Do.
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Material of Tunnel shafts	Identification Marks on Do.	Material of Screw shafts	Identification Marks on Do.
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Material of Steam Pipes	Test pressure
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Is an installation fitted for burning oil fuel	Is the flash point of the oil to be used over 150°F.
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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 Machinery have been examined as per Fiume Report No. 2. The Boiler was examined and checked for size and scantlings on the approved plan and found in order. It is submitted the Machinery of this vessel is worthy to have the notations of LMC when the survey is complete, to complete the survey safety valves be adjusted under steam, and the tail shaft drawn and examined for propeller and sea connections.

Certificate (if required) to be sent to Fiume - Office.

The amount of Entry Fee ... £	:	:	When applied for,
Special £	:	:	19
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	19

P. J. J. J.
 Engineer Surveyor to Lloyd's Register of Ships

Committee's Minute FRI. 1 DEC. 1922

Assigned

Lib. 1.22

CERTIFICATE WRITTEN

FRI. JAN. 19 1923



Lloyd's Register Foundation