

REPORT ON MACHINERY

No. 18776

FEB. AUG. 4 1920

Received at London Office

Reporting Report 30th June 1920 When handed in at Local Office 19 Port of NEW YORK
 Survey held at Brooklyn Staten Island Date, First Survey 1920 Last Survey 19
 Book. S.S. "MANUEL PIONDA" TEBO YACHT BASIN HULL 14. (Number of Visits 14)
 on the S.S. "MANUEL PIONDA" Tons { Gross 14 Net 14
 by V. GUELPA Built at Brooklyn L.Y. By whom built Godd Shipyard Corporation When built 1920
 nes made at White Fish Plant By whom made Godd Shipyard Corp. White Fish Plant when made 1920
 ers made at Mariners Harbor, S.I. By whom made Staten Island S.B. Co when made 1919
 stered Horse Power 156 Owners Sinclair Oil Co Port belonging to New York
 Horse Power as per Section 28 156 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
 LINES, &c.—Description of Engines Triple Exp. No. of Cylinders 3 No. of Cranks 3
 of Cylinders 16"x25"x42" Length of Stroke 30" Revs. per minute 110 Dia. of Screw shaft 8.52" Material of Steel
 as per rule 797 as fitted 9 1/4" screw shaft
 he screw shaft fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made water tight
 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
 been, the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Light Fat If two
 rs are fitted, is the shaft lapped or protected between the liners Yes Length of stern bush 8'-9 3/8"
 as per rule 797 as fitted 8.36 Dia. of Crank shaft journals 9" Dia. of Crank pin 9" Size of Crank webs 18 1/2"x7" Dia. of thrust shaft under
 ars 8 1/2" Dia. of screw 9'-8" Pitch of Screw 10'-0" No. of Blades 4 State whether moveable No Total surface 29.55 sq ft
 of Feed pumps Two Diameter of ditto 6" Stroke 12" Can one be overhauled while the other is at work Yes
 of Bilge pumps Two Diameter of ditto 3 1/2" Stroke 15" Can one be overhauled while the other is at work Yes
 of Donkey Engines One Sizes of Pumps 12x8 1/2 x 12 7 1/2 x 5 x 6 No. and size of Suctions connected to both Bilge and Donkey pumps
 Engine Room One 3" 6 x 5 1/4 x 6 In Holds, &c. No. 3"
 Bilge Injections 1 sizes 5" Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size 3 1/4"
 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
 all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Valves & Cocks
 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 Yes
 pipes are carried through the bunkers None How are they protected None
 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 Yes
 Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Yes
 ERS, &c.—(Letter for record Y) Manufacturers of Steel Lukens
 Heating Surface of Boilers 2476 Is Forced Draft fitted Yes No. and Description of Boilers 2 Single End cylindrical
 Working Pressure 180 Tested by hydraulic pressure to 270 Date of test 12/12/1919 No. of Certificate 314
 each boiler be worked separately Yes Area of fire grate in each boiler Oil Burner No. and Description of Safety Valves to Yes
 boiler Two, Duplex Pop Area of each valve 4.91" Pressure to which they are adjusted 182 lbs Are they fitted with easing gear Yes
 least distance between boilers or uptakes and bunkers or woodwork 3'-0" Mean dia. of boilers 10'-6" Length 11'-0" Material of shell plates Steel
 less 1" Range of tensile strength 60,000 lbs/mm Are the shell plates welded or flanged No Descrip. of riveting: cir. seams Double
 seams Treble D.B.S. Diameter of rivet holes in long. seams 13/16" Pitch of rivets 8 1/2" Lap of plates or width of butt straps 15 1/2"
 ntages of strength of longitudinal joint 95 Working pressure of shell by rules 201 Size of manhole in shell 19"x15"
 plate 86
 compensating ring 15"x1" No. and Description of Furnaces in each boiler 2 MORISON Material Steel Outside diameter 43"
 of plain part Yes Thickness of plates 1 1/32" Description of longitudinal joint weld No. of strengthening rings 1
 bottom Yes Working pressure of furnace by the rules 190 Combustion chamber plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 3/4"
 of stays to ditto: Sides 7"x6 1/4" Back 7"x6 1/4" Top 7"x7" If stays are fitted with nuts or riveted heads riveted Working pressure by rules 184
 ial of stays Iron Area at smallest part 1.48" Area supported by each stay 49 Working pressure by rules 181 End plates in steam space: Yes
 ial Steel Thickness 1 1/16" Pitch of stays 14"x14" How are stays secured D. Nuts Working pressure by rules 200 Material of stays Steel
 at smallest part 3.98" Area supported by each stay 14"x14" Working pressure by rules 211 Material of Front plates at bottom Steel
 Thickness 1 1/16" Material of Lower back plate Steel Thickness 1 1/16" Greatest pitch of stays 13 1/2"x7" Working pressure of plate by rules 195
 Diameter of tubes 3" Pitch of tubes 4"x4 1/8" Material of tube plates Steel Thickness: Front 1 1/16" Back 5/8" Mean pitch of stays 8 1/8"
 Pitch across wide water spaces 13" Working pressures by rules 186 Girders to Chamber tops: Material Steel Depth and Yes
 thickness of girder at centre 7 1/2"x1 1/2" Length as per rule 28" Distance apart 7" Number and pitch of stays in each 3 @ 7"
 Working pressure by rules 208 Steam dome: description of joint to shell None % of strength of joint None
 Diameter None Thickness of shell plates None Material None Description of longitudinal joint None Diam. of rivet holes None
 Pitch of rivets None Working pressure of shell by rules None Crown plates None Thickness None How stayed None
 SUPERHEATER. Type None Date of Approval of Plan None Tested by Hydraulic Pressure to None
 Date of Test None Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler None
 Diameter of Safety Valve None Pressure to which each is adjusted None Is Easing Gear fitted None

007938-007946-007950

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IS A DONKEY BOILER FITTED? *None* If so, is a report now forwarded? *✓*
SPARE GEAR. State the article supplied:— *For Community Rods, Top Bottom End bolt nuts, 2 Main Bearing Bolts, The set of coupling bolts, Spare Lail Shaft, Propeller, 1 Excavator 3 sets piston rings, set of valves for big of full pump, Bolt nuts + assortment iron of various sizes*

The foregoing is a correct description,

Staten Island Shipbuilding Co
per A. C. Leavitt

James S. Milne

Manufacturer.

MANUFACTURERS OF
BOILERS ONLY.

Dates of Survey while building { During progress of work in shops -- 1919 Nov 20 Dec 9 11 17 23 1920 Jan 16 30 Feb 17 Mar 12 13 Apr 13 20 21
During erection on board vessel --- June 13 14 July 2
Total No. of visits 17

Is the approved plan of main boiler forwarded herewith *Yes*

" " " donkey " " " " *✓*

Dates of Examination of principal parts—Cylinders 12-12-19 Slides 16-12-19 Covers 16-12-19 Pistons 16-12-19 Rods 27-1-20
Connecting rods 27-1-20 Crank shaft 17-12-19 Thrust shaft 27-1-20 Tunnel shafts *✓* Screw shaft 27-1-20 Propeller 27-1-20
Stern tube 21-2-20 Steam pipes tested 11-6-20 Engine and boiler seatings 28-4-20 Engines holding down bolts 6-5-20
Completion of pumping arrangements 13-6-20 Boilers fixed 28-4-20 Engines tried under steam 19-6-20
Completion of fitting sea connections 28-5-20 Stern tube 27-5-20 Screw shaft and propeller 28-5-20
Main boiler safety valves adjusted 28-6-20 Thickness of adjusting washers *None*
Material of Crank shaft *Steel* Identification Mark on Do. *R.S* Material of Thrust shaft *Steel* Identification Mark on Do. *P.S. 2354*
Material of Tunnel shafts *✓* Identification Marks on Do. *✓* Material of Screw shafts *Steel* Identification Marks on Do. *R.S*
Material of Steam Pipes *Steel* Test pressure 360 lb. *0"*
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 If so, state name of vessel
General Remarks (State quality of workmanship, opinions as to class, &c.)

The Machinery of this vessel has been built under special survey in accordance with approved plan. Workmanship and materials are good. The Machinery has been tried under steam & found satisfactory. This vessel's machinery is now in good efficient condition reliable for service + L.M.C. 6-20, FITTED FOR OIL FUEL 6-20, F.P. above 150°F.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 7-20

Fitted for oil fuel 7-20 F.P. above 150°F.

Roll 11/8/20 JRR

The amount of Entry Fee ... £ 15 : : When applied for, 14/7 19.20
Special ... £ 117 : :
Donkey Boiler Fee ... £ : : When received, 30/8/20
Travelling Expenses (if any) £ : :

John P. Robson & Alex. Lawrence
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned. *+ dmb 7.20*

MACHINERY CERTIFICATE
UNITED
8-4-20