

REPORT ON MACHINERY

No. 41514

Date of writing Report 13/11/21 When handed in at Local Office 13/11/21 Port of Glasgow SAT. OF C. 16 1922
 No. in Survey held at Glasgow Date, First Survey 30/9/1920 Last Survey 3/11/1921
 Reg. Book. 60288 on the S. S. Fulgor. (Number of Visits 161)
 Master Built at Spezia By whom built Cantieri Mighetta Tons Gross 6654 Net 3843.
 Engines made at Glasgow By whom made McKie & Baxter n°1007 when made 1921
 Boilers made at Glasgow By whom made Alex Stephen & Sons when made 1921
 Registered Horse Power Owners "La Columbia" Soc. Marit. ecc. Port belonging to Genoa.
 Nom. Horse Power as per Section 28 399 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines Quadruple Expansion No. of Cylinders 4 No. of Cranks 4
 Dia. of Cylinders 21"-29½"-43"-62" Length of Stroke 45" Revs. per minute 49 Dia. of Screw shaft as per rule 13½" Material of screw shaft Steel
 Is the 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
 in the propeller boss Yes 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 Yes If two
 liners are fitted, is the shaft lapped or protected between the liners ✓ Length of stern bush 4'-7" ✓
 Dia. of Tunnel shaft as per rule 11.87" Dia. of Crank shaft journals as per rule 12.46" Dia. of Crank pin 12¾" Size of Crank webs 23"x8" Dia. of thrust shaft under
 collars 12¾" Dia. of screw 17'-0" Pitch of Screw 15'-6" No. of Blades 4 State whether moveable Yes Total surface 88 sq. feet.
 No. of Feed pumps 2 ✓ Diameter of ditto 4" Stroke 22" Can one be overhauled while the other is at work Yes ✓
 No. of Bilge pumps 2 ✓ Diameter of ditto 4" Stroke 22" Can one be overhauled while the other is at work Yes ✓
 No. of Donkey Engines 13 Sizes of Pumps 2 Lewis Feed 39" 7½" 18" Centrifugal - 2 engines
 in Engine Room 3-90" m. ✓ 1 Ballast 8"x9"x8" Duplex. In Holds, &c. 2-3" for. held. 2-3" fore peak flat.
 Bilge Injections 1 sizes 10" Connected to condenser, or to circulating pump pump. Is a separate Donkey Suction fitted in Engine room & size Yes - 125" m.
 All the bilge suction pipes fitted with roses ✓ Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible none
 All connections with the sea direct on the skin of the ship ✓ Are they Valves or Cocks both ✓
 They fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates ✓ Are the Discharge Pipes above or below the deep water line below ✓
 They each fitted with a Discharge Valve always accessible on the plating of the vessel ✓ Are the Blow Off Cocks fitted with a spigot and brass covering plate ✓
 pipes are carried through the bunkers none 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 Yes ✓
 Screw Shaft Tunnel watertight none Is it fitted with a watertight door ✓ worked from ✓

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

Heating Surface of Boilers 5679# Is Forced Draft fitted Yes No. and Description of Boilers Three single ended multitubular.
 Working Pressure 230 Tested by hydraulic pressure to Date of test No. of Certificate
 Each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
 boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
 Test distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates
 ness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
 seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
 entages of strength of longitudinal joint rivets. Working pressure of shell by rules Size of manhole in shell
 of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter
 h of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings
 bottom Thickness of plates bottom
 Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
 of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
 rial of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:
 rial Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
 at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
 ness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 eter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
 ness 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
 eter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 of rivets Working pressure of shell by rules Crown plates Thickness How stayed

See separate report attached here to.

REHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
 of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 eter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

