

REPORT ON MACHINERY.

No. 36255

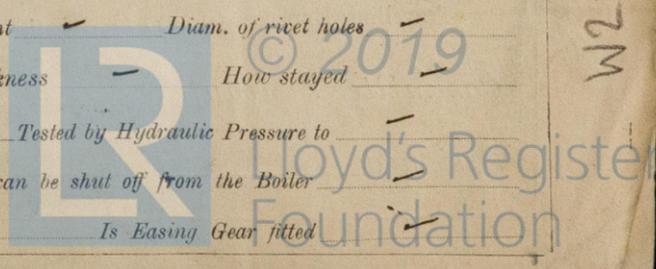
TUES. 4 AUG 1925

Date of writing Report 27/7/10 25 When handed in at Local Office 31-7-10 25 Port of HULL.
 No. in Survey held at Hull. Date, First Survey 8/10/24 Last Survey 17-7-1925
 Reg. Book. on the Ship S.S. "TEANO" (Number of Visits 31) Tons Gross 762 Net 299
 Master Built at Hull By whom built Carlis S.B. & Co. Ld. When built 1925
 Engines made at Hull By whom made Carlis S.B. & Co. Ld. when made 1925
 Boilers made at Hull By whom made Carlis S.B. & Co. Ld. when made 1925
 Registered Horse Power Owners Ellerman Wilson Line Co Port belonging to Hull
 Nom. Horse Power as per Section 28 134 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes.

ENGINES, &c.—Description of Engines Triple Expansion No. of Cylinders 3 No. of Cranks 3
 Dia. of Cylinders 13 3/4 · 23 1/2 · 41 Length of Stroke 30 Revs. per minute Dia. of Screw shaft as per rule 9.3 Material of Steel
 as fitted 10 screw shaft
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube No 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 Yes 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 Yes Adversal flange fitted Length of stern bush 3' 6"
 Dia. of Tunnel shaft as per rule 4.8 Dia. of Crank shaft journals as per rule 8.24 Dia. of Crank pin 8 5/8 Size of Crank webs 16 3/4 x 5 1/2 Dia. of thrust shaft under
 as fitted 8 as fitted 8 1/2 collars 8 1/2 Dia. of screw 11' 6" Pitch of Screw 10' 6" No. of Blades 4 State whether moveable No Total surface 40 sq. ft.
 No. of Feed pumps 2 Diameter of ditto 2 1/4 Stroke 18 Can one be overhauled while the other is at work Yes
 No. of Bilge pumps 2 Diameter of ditto 2 3/4 Stroke 18 Can one be overhauled while the other is at work Yes
 No. of Donkey Engines Two Sizes of Pumps 6 1/2 + 4 3/4 + 6 General. No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room 2 @ 2 1/2" Stokehold, 3 @ 2 1/2" In Holds, &c. F.P.T. 1 @ 2 1/2" Fore hold, 2 @ 2 1/2"
 No. 2 Hold 3 @ 2 1/2" aft hold, 1 @ 2 1/2" A.P.T. 1 @ 2 1/2" Tunnel well 1 @ 2 1/2"
 No. of Bilge Injections One size 4" Connected to condenser, or to circulating pump CP. Is a separate Donkey Suction fitted in Engine room & size Yes 3"
 Are 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
 Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
 Are 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 below.
 Are 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
 What pipes are carried through the bunkers Forward Suctions How are they protected Wood casings.
 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 Upper deck.

BOILERS, &c.—(Letter for record S) Manufacturers of Steel Steel Co. of Scotland, Birmingham I.S. Co.
 Total Heating Surface of Boilers 2400 sq. ft. Is Forced Draft fitted No No. and Description of Boilers 2 Single ended
 Working Pressure 225 Tested by hydraulic pressure to 38.8 Date of tests 2.1.25 No. of Certificate 3545
 Can each boiler be worked separately Yes Area of fire grate in each boiler 37 sq. ft. No. and Description of Safety Valves to
 each boiler 1 Pair, Cockburns High lift type Area of each valve 2.4 sq. in. Pressure to which they are adjusted 225 lb. Are they fitted with easing gear Yes
 Smallest distance between boilers or uptakes and bunkers on deck 1' 5" Mean dia. of boilers 11' 6" Length 10' 6" Material of shell plates Steel
 Thickness 1 5/32 Range of tensile strength 38.5/32.5 Are the shell plates welded or flanged Yes Descrip. of riveting: cir. seams DR
 long. seams T.R. DR. Diameter of rivet holes in long. seams 1 3/16 Pitch of rivets 8 3/8 Lap of plates or width of butt straps 17 9/8
 Per centages of strength of longitudinal joint rivets 86.4 Working pressure of shell by rules 225 Size of manhole in shell 16 x 12
 plate 85.8
 Size of compensating ring 40 x 30 x 1 5/32 No. and Description of Furnaces in each boiler 2 Brightons Material Steel Outside diameter 44.75.
 Length of plain part top 23 Thickness of plates crown 23 Description of longitudinal joint welded. No. of strengthening rings
 bottom 32
 Working pressure of furnace by the rules 236 Combustion chamber plates: Material Steel Thickness: Sides 2 5/32 Back 3/4 Top 2 1/32 Bottom 2 5/32
 Pitch of stays to ditto: Sides 9 1/4 x 7 3/4 Back 9 5/8 x 8 1/4 Top 8 5/8 x 7 3/4 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 238 lb.
 Material of stays Steel Area at smallest part 2.03 Area supported by each stay 79.3 sq. Working pressure by rules 228 End plates in steam space:
 Material Steel Thickness 1 3/32 Pitch of stays 16 x 14 3/4 How are stays secured DR. Working pressure by rules 234 Material of stays Steel
 Area at smallest part 5.05 Area supported by each stay 336 sq. Working pressure by rules 233 Material of Front plates at bottom Steel
 Thickness 3 1/32 Material of Lower back plate Steel Thickness 2 9/32 Greatest pitch of stays 14 1/4 x 8 1/4 Working pressure of plate by rules 249
 Diameter of tubes 3 1/4 Pitch of tubes 4 1/2 Material of tube plates Steel Thickness: Front 3 1/32 Back 7/8 Mean pitch of stays 9
 Pitch across wide water spaces 13 3/8 Working pressures by rules 224 Girders to Chamber tops: Material Steel Depth and
 thickness of girder at centre 7 1/2 x 1 5/8 Length as per rule 32 7/8 Distance apart 8 1/8 Number and pitch of stays in each 1 @ 7 3/4
 Working pressure by rules 229 Steam dome: description of joint to shell % of strength of joint
 Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

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



W264-0251

