

REPORT ON MACHINERY.

No. 11495
THU NOV. 11 1920

Received at London Office

Date of writing Report 27 Feb 1920 When handed in at Local Office 19 Port of Rotterdam
 No. in Survey held at Amsterdam Date, First Survey 23 June Last Survey 25 Feb 1920
 Reg. Book. on the Steel Screw Steamer "GEORGIA" (Number of Visits 9) Tons { Gross 885.29
 Net 459.44
 Master W. H. van der Meer Built at Amsterdam By whom built W. C. P. de Boer & Co. Schiedamschen When built 1920
 Engines made at Amsterdam By whom made Verchuren & Co. Schiedamschen when made 1920
 Boilers made at ditto By whom made ditto Boekhoff & Fabrik when made 1920
 Registered Horse Power _____ Owners Guglielmo Rossi Port belonging to Rome
 Nom. Horse Power as per Section 28 120.7 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines See Amst. de Pap N: 8089 No. of Cylinders _____ No. of Cranks _____

Dia. of Cylinders _____ Length of Stroke _____ Revs. per minute _____ Dia. of Screw shaft ^{as per rule} _____ ^{as fitted} _____ Material of screw shaft _____
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube no liner Is the after end of the liner made water tight in 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} _____ ^{as fitted} _____ Dia. of Crank shaft journals ^{as per rule} _____ ^{as fitted} _____ Dia. of Crank pin _____ Size of Crank webs _____ Dia. of thrust shaft under collars _____ Dia. of screw _____ Pitch of Screw _____ No. of Blades _____ State whether moveable _____ Total surface _____

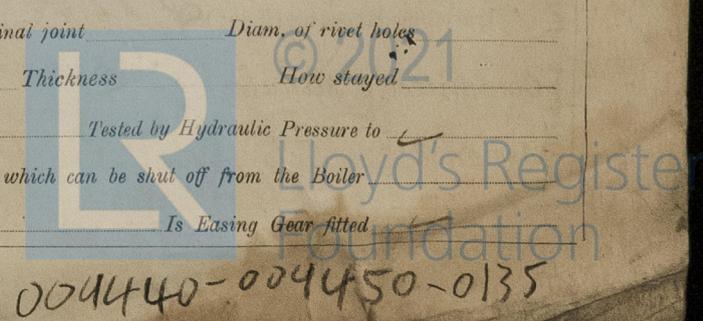
No. of Feed pumps _____ Diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
 No. of Bilge pumps _____ Diameter of ditto _____ Stroke _____ Can one be overhauled while the other is at work _____
 No. of Donkey Engines 3 Sizes of Pumps 6x4x6 6x4x6 6x5x12 oil transfer No. and size of Suctions connected to both Bilge and Donkey pumps In Engine Room 2x2 1/2 + 2x2 N: I 2x2" N: II 2x2"

No. of Bilge Injections 1 sizes 3 7/8" Connected to condenser or to circulating pump _____ Is a separate Donkey Suction fitted in Engine room & size 4x2 1/2"
 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 ✓
 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 above
 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 Bilge pipes Hold I-II How are they protected Bound in
 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 ✓ Is it fitted with a watertight door ✓ worked from ✓

BOILERS, &c.—(Letter for record _____) Manufacturers of Steel Amst. de Pap N: 8089

Total Heating Surface of Boilers _____ Is Forced Draft fitted no No. and Description of Boilers _____
 Working Pressure _____ Tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____
 Can each boiler be worked separately Yes Area of fire grate in each boiler _____ No. and Description of Safety Valves to each boiler 2 Spring loaded Area of each valve 5.94" Pressure to which they are adjusted 180 lb Are they fitted with easing gear Yes
 Smallest distance between boilers or uptakes and bunkers or woodwork no bunkers Mean dia. of boilers _____ Length _____ Material of shell plates _____
 Thickness _____ Range of tensile strength _____ Are the shell plates welded or flanged _____ Descrip. of riveting: cir. seams _____
 long. seams _____ Diameter of rivet holes in long. seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____
 Per centages of strength of longitudinal joint _____ Working pressure of shell by rules _____ Size of manhole in shell _____
 Size of compensating ring _____ No. and Description of Furnaces in each boiler _____ Material _____ Outside diameter _____
 Length of plain part ^{top} _____ ^{bottom} _____ Thickness of plates ^{top} _____ ^{bottom} _____ Description of longitudinal joint _____ No. of strengthening rings _____
 Working pressure of furnace by the rules _____ Combustion chamber plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____
 Pitch of stays to ditto: Sides _____ Back _____ Top _____ If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____
 Material of stays _____ Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: _____
 Material _____ Thickness _____ Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of stays _____
 Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ Material of Front plates at bottom _____
 Thickness _____ Material of Lower back plate _____ Thickness _____ Greatest pitch of stays _____ Working pressure of plate by rules _____
 Diameter of tubes _____ Pitch of tubes _____ Material of tube plates _____ Thickness: Front _____ Back _____ Mean pitch of stays _____
 Pitch across wide water spaces _____ Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and thickness 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 _____
 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 _____



IS A DONKEY BOILER FITTED? *no*

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

Two connecting rod top end bolts and nuts two bottom end bolt and nuts, two main bearing bolts, one set of coupling bolts, two feed and two bilge pump valves, a quantity of assorted bolts and nuts one set of piston rings, iron of various sizes

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops -- 23/6-20/6 9/8-27/9/9-14/9-2/9-22/10-25/10. During erection on board vessel --- Total No. of visits 9

Is the approved plan of main boiler forwarded herewith

Is the approved plan of donkey boiler forwarded herewith

Dates of Examination of principal parts—Cylinders Slides Covers Pistons Rods Connecting rods Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller Stern tube Steam pipes tested 1-9-20 Engine and boiler seatings 9/8-20 Engines holding down bolts 9/8-20 Completion of pumping arrangements 14-9-20 Boilers fixed 9/8-20 Engines tried under steam 21-9-20 Completion of fitting sea connections 30/6-20 Stern tube 23/6-20 Screw shaft and propeller 30/6-20 Main boiler safety valves adjusted 25-10-20 Thickness of adjusting washers 5/8" 1 3/16" 7/8" 3/4" 3/4" Material of Crank shaft Identification Mark on Do. Material of Thrust shaft Identification Mark on Do. Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do. Material of Steam Pipes *SM steel* Test pressure 540 lbs Is an installation fitted for burning oil fuel *Yes* Is the flash point of the oil to be used over 150°F. *Yes* Have the requirements of Section 49 of the Rules been complied with *Yes* 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. *The machinery has been fitted in accordance with the Society's Rules approved plans and Secretary's letters. Workmanship was found good and material tested as required. The whole was found working satisfactorily during a trial and in my opinion eligible to be recorded in the Society's Register with + LMC. 10.20. fitted for oil fuel*

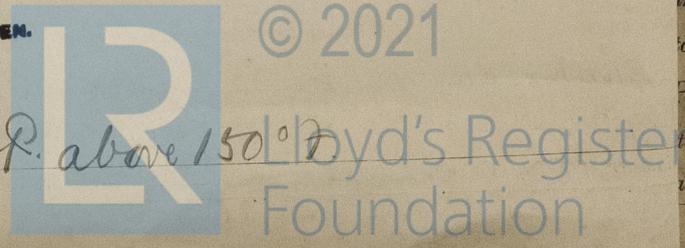
It is submitted that this vessel is eligible for THE RECORD. + LMC. 10.20 Fitted for Oil Fuel 10.20. FP above 150°F

Hell 12/11/20 J.P.H.

The amount of Entry Fee ... £ 24.00 : When applied for, 9/11 1920 Special ... £ 72.60 : Donkey Boiler Fee ... £ Travelling Expenses (if any) £ 32.00 : When received, 18/11/20 20/11/20

A. Boyle
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute Assigned + LMC 10.20 Fitted for oil fuel 10.20 FP. above 150°F



Certificate (if required) to be sent to Surveyors

The Surveyors are requested not to write on or below the space for Committee's Minute.