

REPORT ON MACHINERY

No. 17752
WED. DEC. 8 1920

Received at London Office

Date of writing Report 17th July 1920 When handed in at Local Office 17/7/1920 Port of Grunnik
 No. in Survey held at PT. Glasgow Date, First Survey 9th June 1920 Last Survey 16th July 1920
 Reg. Book. on the Screw Steamer 'SALABANGKA' (Number of Visits 4)
 Master J. W. Kempson Built at PT. Glasgow By whom built Wm. Hamilton & Co. Ltd. Tons Gross 6645 Net 4155
 Engines made at Glasgow By whom made David Rowan & Co. Ltd. When built 1920
 Boilers made at do By whom made do when made 1920
 Registered Horse Power _____ Owners Stoomvaart Maatschappij Nederland Port belonging to Amsterdam
 Nom. Horse Power as per Section 28 _____ Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

ENGINES, &c.—Description of Engines

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 _____ 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 _____ 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 _____
 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 _____ Sizes of Pumps _____ No. and size of Suctions connected to both Bilge and Donkey pumps _____
 In Engine Room _____ In Holds, &c. _____

No. of Bilge Injections _____ sizes _____ Connected to condenser, or to circulating pump _____ Is a separate Donkey Suction fitted in Engine room & size _____
 Are all the bilge suction pipes fitted with roses _____ Are the roses in Engine room always accessible _____ 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 _____ Are the Discharge Pipes above or below the deep water line _____
 Are 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 yes _____
 How are they protected _____
 What pipes are carried through the bunkers _____
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
 Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges _____
 Is the Screw Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

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

Total Heating Surface of Boilers _____ Is Forced Draft fitted _____ No. and Description of Boilers _____
 Working Pressure _____ Tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____
 Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of Safety Valves to _____
 each boiler _____ Area of each valve _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ 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 _____ rivets _____ 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 _____ Thickness of plates _____ crown _____ Description of longitudinal joint _____ No. of strengthening rings _____
 bottom _____ 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 _____ End plates in steam space: _____
 Material of stays _____ Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ Material of stays _____
 Material _____ Thickness _____ Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of Front plates at bottom _____
 Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ Working pressure of plate by rules _____
 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 _____ Diam. of rivet holes _____
 Diameter _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Thickness _____ How stayed _____
 Pitch of rivets _____ Working pressure of shell by rules _____ Crown plates _____ Tested by Hydraulic Pressure to _____
 SUPERHEATER. Type _____ Date of Approval of Plan _____ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler _____
 Date of Test _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____
 Diameter of Safety Valve _____

1910-51111

IS A DONKEY BOILER FITTED?

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 - - 1920 June 9-29 July 15-16.
During erection on board vessel - - -
Total No. of visits 4.

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

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 Engine and boiler seatings 9. 6. 20 Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections 16. 7. 20 Stern tube 9. 6. 20 Screw shaft and propeller 16. 7. 20

Main boiler safety valves adjusted Thickness of adjusting washers

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 Test pressure

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 stern tube, screw shaft, propeller, sea cocks and fastenings, engine and boiler seatings are fitted in a satisfactory manner.
The vessel is proceeding to Glasgow. I have machinery fitted on board.

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

W. Lane.

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See G.R. No. 40660

Glasgow 7-DEC 1920



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