

Rpt. 4.

REPORT ON MACHINERY.

No. 17732

Received at London Office

Date of writing Report Nov 10 1920 When handed in at Local Office 5/11/1920 Port of Greenock

No. in Survey held at Greenock Date, First Survey 9th January 1913 Last Survey 5th Nov 1920
Reg. Book. on the Steamer "Aldecoa" (Number of Visits 161) Tons 557 1/2

Master _____ Built at Bilbao By whom built Comidad Espanola When built 1920

Engines made at Greenock By whom made John S Sinclair & Co Ltd when made 1920

Boilers made at _____ By whom made Salcock Wilson when made 1920

Registered Horse Power _____ Owners _____ Port belonging to _____

Nom. Horse Power as per Section 28 601 Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

ENGINES, &c.—Description of Engines Triple Compound No. of Cylinders Three No. of Cranks Three

Dia. of Cylinders 27-44-73 Length of Stroke 48 Revs. per minute 75 Dia. of Screw shaft 14.87 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 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 _____ If two

liners are fitted, is the shaft lapped or protected between the liners _____ Length of stern bush 60

Dia. of Tunnel shaft 13.33 Dia. of Crank shaft journals 13.99 Dia. of Crank pin 14 Size of Crank webs 21.9 Dia. of thrust shaft under

collars 14.0 Dia. of screw 18.0 Pitch of Screw 17.0 No. of Blades 4 State whether moveable Yes Total surface 107 sq ft

No. of Feed pumps 2 Diameter of ditto 4 Stroke 27 Can one be overhauled while the other is at work Yes

No. of Bilge pumps 2 Diameter of ditto 4 Stroke 27 Can one be overhauled while the other is at work Yes

No. of Donkey Engines 2 Sizes of Pumps 14" x 18" 9 1/2" x 18" 11 1/2" x 12" No. and size of Suctions connected to both Bilge and Donkey pumps

In Engine Room _____ In Holds, &c. _____

Circulating Pump separate Engine

No. of Bilge Injections 9 Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size 2 1/2"

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 _____ Are they Valves or Cocks _____

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 _____

What pipes are carried through the bunkers _____ How are they protected _____

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 _____

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

Total Heating Surface of Boilers 9636 Is Forced Draft fitted _____ No. and Description of Boilers Three Water Tube

Working Pressure 150 lbs 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 _____ 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 _____ Thickness of plates _____ 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 _____

PERHEATER. 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 _____

002659-002666-0272

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied: - One lot and lot. One lot and lot. One lot and lot.

Boiling water. One lot and lot. One lot and lot. One lot and lot.

Bridge Pump & Valve

The foregoing is a correct description,

FOR JOHN G. KINCAID & COY., LIMITED

Alexander Stone

Manufacturer.

Table with columns for Dates of Survey while building, During progress of work in shops, During erection on board vessel, and Total No. of visits. Includes dates from 1918 to 1920 and a total of 161 visits.

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts - Cylinders 17/6/20 Slides 27/7/20 Covers 17/6/20 Pistons 23/7/20 Rods 19/7/20

Connecting rods 29/11/19 Crank shaft 31/5/20 Thrust shaft 27/7/20 Tunnel shafts 14/10/20 Screw shaft 1/10/20 Propeller 28/4/20

Stern tube 29/10/20 Steam pipes tested Engine and boiler seatings Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections Stern tube Screw shaft and propeller

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Identification Mark on Do. 150 Material of Thrust shaft Identification Mark on Do. 150

Material of Tunnel shafts Identification Marks on Do. 150 Material of Screw shafts Identification Marks on Do. 150

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.) Workmanship good.

The machinery of this vessel has been constructed under special survey and has been shipped to

where it will be placed on board the steam trawler

and has been sent to Bilbao

Top of plates or width of butt straps

Pitch of rivets

Diameter of rivet holes in long seams

Working pressure of shell by rules

Percentage of strength of longitudinal joint

No. and Description of Flanges in each boiler

Length of plain part

Working pressure of furnace by rules

Pitch of stays to ditto: Sides

Material of stays

Area supported by each stay

How are stays secured

Material of stays

Working pressure of stays

Material of lower deck plating

Thickness of lower deck plating

Pitch of rivets

Working pressure of shell by rules

Percentage of strength of longitudinal joint

No. and Description of Flanges in each boiler

Rpt. 5c.

Date of writing Report

No. in Survey

Reg. Bk.

on the

Master

Engines made at

Boilers made at

Registered Horse P

WATER TUB

(Letter for Record

of Boilers 3 Bab

No. of Certificate

Is forced draught fi

Main and Auxiliary

each boiler

Are they fitted with

Smallest distance bet

Steam Drums: - Nu

Range of Tensile S

Cir. seams Dou

Top of plate or wid

Diameter of tube ho

If Drum has a fl

(if fitted)

by rules

Size of Manhole or

Material of plates

or flanged wel

long seams

Percentage strength

Percentage strength

Radius or how stay

Material S

Area at smallest part

Thickness 2 1/2 : : 19

Percentage strength

Description of longi

by Rules

SUPERHEATE

Date of Test

Diameter of Safety

Is a drain cock

Spare Gear. T

Dates During pr

of Survey work in s

while During er

building board res

GENERAL RI

sections to

and Drum

plans. 20

Survey Fee ...

Travelling Expens

Committee's M

Assigned

Assigned

Lloyd's Register

Foundation

GREENOCK

Certificate (if required) to be sent to

The amount of Entry Fee ... £ 1 : 0 : 0 When applied for, 6/11/20

Special ... £ 25 : 1 : 0 When received, 1/12/20

Donkey Boiler Fee ... £ : : : Travelling Expenses (if any) £ : : :

Committee's Minute Assigned Defered

TUE. 23 JAN. 1923

TUE. APR. 24 1923



Lloyd's Register Foundation