

REPORT ON MACHINERY.

No. 16741

Date of writing Report 19 When handed in at Local Office 21/8/14 Port of Greenock
Survey held at Greenock Date, First Survey 23/6/14 Last Survey 29/6/14 1914
Book. on the S.S. "Cuyahoga" (Number of Visits 2)
Built at Greenock By whom built Greenock Dock & Shipyard Ltd. Tons { Gross 4586
Net 2738
When built 1914
By whom made James Watson & Jackson Ltd. when made 1914
By whom made Do when made 1914
Registered Horse Power Owners Anglo American Oil Co Ltd Port belonging to Greenock
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	Length of Stroke	Revs. per minute	No. of Cylinders	No. of Cranks
The screw shaft fitted with a continuous liner the whole length of the stern tube			Dia. of Screw shaft as per rule	Material of screw shaft
The propeller boss			Is the after end of the liner made water tight	
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	
Is the shaft lapped or protected between the liners			Length of stern bush	
Dia. of Tunnel shaft as per rule	Dia. of Crank shaft journals as per rule	Dia. of Crank pin	Size of Crank webs	Dia. of thrust shaft under
Dia. of screw	Pitch of Screw	No. of Blades	State whether moveable	Total surface
Dia. of Feed pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work	
Dia. of Bilge pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work	
Dia. of Donkey Engines	Sizes of Pumps	No. and size of Suctions connected to both Bilge and Donkey pumps		
Engine Room				
In Holds, &c.				
Dia. of Bilge Injections	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	Are they Valves or Cocks	Are the Discharge Pipes above or below the deep water line		
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates	Are the Blow Off Cocks fitted with a spigot and brass covering plate	How are they protected		
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			
Are all pipes 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				
Dates of examination of completion of fitting of Sea Connections 23/6/14 of Stern Tube 23/6/14 Screw shaft and Propeller 29/6/14				
Is the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from				

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

Working Surface of Boilers	Is Forced Draft fitted	No. and Description of Boilers
Working Pressure	Tested by hydraulic pressure to	Date of test
Can each boiler be worked separately	Area of fire grate in each boiler	No. of Certificate
Dia. of boiler	Area of each valve	Pressure to which they are adjusted
Smallest distance between boilers or uptakes and bunkers or woodwork	Mean dia. of boilers	Length
Thickness	Range of tensile strength	Are the shell plates welded or flanged
Long. seams	Diameter of rivet holes in long. seams	Pitch of rivets
Percentages 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
Length of plain part	Thickness of plates	Description of longitudinal joint
Working pressure of furnace by the rules	Combustion chamber plates: Material	Thickness: Sides
Pitch of stays to ditto: Sides	Back	Top
Material of stays	Diameter at smallest part	Area supported by each stay
Material	Thickness	Pitch of stays
Diameter at smallest part	Area supported by each stay	Working pressure by rules
Thickness	Material of Lower back plate	Thickness
Diameter of tubes	Pitch of tubes	Material of tube plates
Pitch across wide water spaces	Working pressures by rules	Girders to Chamber tops: Material
Thickness of girder at centre	Length as per rule	Distance apart
Working pressure by rules	Superheater or Steam chest; how connected to boiler	Can the superheater be shut off and the boiler worked
Separately	Diameter	Length
Holes	Pitch of rivets	Working pressure of shell by rules
If stiffened with rings	Distance between rings	Working pressure by rules
Working pressure of end plates	Area of safety valves to superheater	Are they fitted with easing gear

W 927-0049

VERTICAL DONKEY BOILER—

Manufacturers of Steel

No. _____ Description _____ When made _____ Where fired _____
 Made at _____ By whom made _____ No. of Certificate _____ Fire grate area _____ Description of Safety
 Working pressure _____ tested by hydraulic pressure to _____ Date of test _____ Pressure to which they are adjusted _____ Date of adjustment _____
 Valves _____ No. of Safety Valves _____ Area of each _____ Pressure to which they are adjusted _____ Dia. of donkey boiler _____ Length _____
 If fitted with easing gear _____ If steam from main boilers can enter the donkey boiler _____ Descrip. of riveting long. seams _____ Rivets _____
 Material of shell plates _____ Thickness _____ Range of tensile strength _____ Lap of plating _____ Per centage of strength of joint _____ Plates _____
 Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____ Radius of do. _____ No. of stays to do. _____ Dia. of stays _____
 Working pressure of shell by rules _____ Thickness of shell crown plates _____ Thickness of furnace plates _____ Description of joint _____
 Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Radius of do. _____ Stayed by _____
 Working pressure of furnace by rules _____ Thickness of furnace crown plates _____ Dates of survey _____
 Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
 During progress of work in shops --
 During erection on board vessel --
 Total No. of visits

1914 June 23. 29

2

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 29/6/14 _____ Engines holding down bolts _____
 Completion of pumping arrangements _____ Boilers fixed _____ Engines tried under steam _____
 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 _____

General Remarks

(State quality of workmanship, opinions as to class, &c.)

connections examined before launching & found in order. Propeller & fastenings of sea

Certificate (if required) to be sent to
 (The Surveyor are requested not to write on or below the space for Committee's Minute.)

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

Committee's Minute

GLASGOW

1 SEP. 1914

Assigned

See minute on Gen. Rpt. No. 34337.

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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