

No. 15261
-8 DEC 1933

Southey Report 29. 11. 1933 When handed in at Local Office 7. 12. 1933. Port of Southampton
 Received at London Office
 Survey held at Yeovil Date, First Survey 11. 10. 33 Last Survey 24. 11. 1933
 on the ^{Single} ~~Pair~~ ^{Triple} ~~Quadruple~~ Screw vessel "ROCK" Number of Visits 4
 Tons { Gross 250
 { Net —
 Hebburn on Tyne By whom built A. & W. Hamthorne & Co. Ltd. Yard No. 591 When built 1933
 made at Yeovil By whom made Pellers & Co. Engine No. When made 1933
 Boilers made at ✓ By whom made ✓ Boiler No. ✓ When made ✓
 Horse Power 260 Owners Free Trade Wharf Co. Ltd. Port belonging to London
 Horse Power as per Rule 109. Is Refrigerating Machinery fitted for cargo purposes — Is Electric Light fitted ✓
 for which vessel is intended Coasting Atomic

GINES, &c.—Type of Engines		Petter <u>Automatic</u> Diesel		2 or 4 stroke cycle		2 Single or double acting		Single	
pressure in cylinders	650 lb.	Diameter of cylinders	12 1/2	Length of stroke	18 1/4	No. of cylinders	4	No. of cranks	4
arings, adjacent to the Crank, measured from inner edge to inner edge					19 1/2	Is there a bearing between each crank		Yn.	
s per minute	275	Flywheel dia.	47	Weight	3786 lb.	Means of ignition		Compression	
shaft, dia. of journals	as fitted					Kind of fuel used		diesel oil	
	as fitted					Mid. length breadth		9 1/2	
	as fitted					Mid. length thickness		4	
Shaft, diameter	as fitted					Thrust Shaft, diameter at collars		5"	
	as fitted					Is the { tube { shaft fitted with a continuous liner {			
	as fitted					Is the after end of the liner made watertight in the			

988 *If the liner is in more than one length are the junctions made by fusion through the whole thickness of 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
ers are fitted, is the shaft lapped or protected between the liners *Is an approved Oil Gland or other appliance fitted at the after end of the tube*

g rods *If so, state type* *Length of Bearing in Stern Bush next to and supporting propeller*
ft. dia. 66 Pitch 45° No. of blades 4 Material CI whether Moveable ☐ Total Developed Surface sq. feet

Is **28** reversing Engines *Direct* Is a governor or other arrangement fitted to prevent racing of the engine when declutched *Yes* Means of lubrication
4 *2nd* Thickness of cylinder liners Are the cylinders fitted with safety valves *Yes* Are the exhaust pipes and silencers water cooled or lagged with

ing material *logged* If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine. —

Water Pumps, No. *one* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *Yes.*

Engines worked from the Main Engines, No. 1 Diameter $3\frac{7}{8}$ Stroke 4 Can one be overhauled while the other is at work? $\frac{1}{2}$ Yes

connected to the Main Engine Line { How driven _____
Pumps, No. and size 1 @ 4 1/2" x 6" stroke Lubricating Oil Pumps, including Spare Pump, No. and size 2 @ 1 1/2" diam x 1 3/8" stroke

dependent means arranged for circulating water through the **Oil Cooler** *None* **Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge**
 p. and size:—In Machinery Spaces..... In Pump Room.....

lent Power Pump Direct Suctions to the Engine Room Bilges, No. and size Implex SA. 4 1/2" x 6"

Are they fitted with Valves or Check

Are they fitted with Valves or Cocks.....

Are the Overboard Discharges above or below the deep water line.....

Are the Blow Off Cocks fitted with a spigot and brass covering plate
How are they protected

pass through the deep tanks..... Have they been tested as per Rule.....

es, Cocks, Valves, and Pumps in connection with the machinery ~~and all boiler mountings~~ accessible at all times..... *yes*

Is the Shaft Tunnel watertight..... Is it fitted with a watertight door..... worked from.....

Compressors, No. 1 No. of stages 2 Diameters 5 5/8 & 5 Stroke 5 1/2 Driven by main engine

Air Compressors, No.	No. of stages	Diameters	Stroke	Driven by
1	1	3 1/4	3 1/4	Line
2	1	3 1/4	3 1/4	Butt.

Auxiliary Air Compressors, No.	No. of stages	Diameters	Stroke	Driven by
1	1	3 1/4	3 1/4	Butt.

g Air Pumps, No.		Diameter	Stroke	Driven by
Engines crank shafts, diameter		No.:-		
as per Rule		Position —		
as fitted				

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule
 Internal surfaces of the receivers be examined and cleaned
 Is a drain fitted at the lowest part of each receiver

Pressure Air Receivers, No.	Cubic capacity of each	Internal diameter	Thickness
Welded or riveted longitudinal joint	Material	Range of tensile strength	Working pressure by Rules

ir Receivers, No. 2 See London Appl. C 7209 C 7211 4046 Int 750A WP 400A - Actual 4 MC 27.10.33.
Total cubic capacity Internal diameter Thickness

Type of joint	Material	Range of tensile strength	Working pressure	
			By Rule	Actual
a welded or riveted longitudinal joint	Steel	50,000 to 60,000	100	100
			100	100
b welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
c welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
d welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
e welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
f welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
g welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
h welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
i welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
j welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
k welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
l welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
m welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
n welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
o welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
p welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
q welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
r welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
s welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
t welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
u welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
v welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
w welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
x welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
y welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100
z welded or riveted circumferential joint	Steel	50,000 to 60,000	100	100
			100	100

001114-00102120240

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

Is the donkey boiler intended to be used for domestic purposes only?

PLANS. Are approved plans forwarded herewith for Shafting
(If not, state date of approval)

4 10 33

Receivers

Separate Tanks

26.11.33

Donkey Boilers

General Pumping Arrangements

14.11.33.

Oil Fuel Burning Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied?

State the principal additional spare gear supplied

See letter attached.

See Newcastle Report.
H.B.

The foregoing is a correct description.

Globeckton S.P. Peters & Co. Manufacturer.

Dates of Survey while building	During progress of work in shops - -	11.10.33	13.10.33	23.10.33.	24.11.33.
	During erection on board vessel - -				
	Total No. of visits	4			

Dates of Examination of principal parts—Cylinders 11.10.33 Covers 11.10.33 Pistons 11.10.33 Rods Connecting rods 11.10.33

Crank shaft 11.10.33 Flywheel shaft Thrust shaft 24.11.33 Intermediate shafts Tube shaft

Screw shaft Propeller Stern tube Engine seatings Engines holding down bolts

Completion of fitting sea connections

Completion of pumping arrangements

Engines tried under working conditions

Crank shaft, Material 04 Steel Identification Mark 11.10.33 Flywheel shaft, Material 04 Steel Identification Mark 11.10.33

Thrust shaft, Material 01 Steel Identification Mark 11.10.33 Intermediate shafts, Material Identification Marks

Tube shaft, Material Identification Mark 11.10.33 Screw shaft, Material Identification Mark

Is the flash point of the oil to be used over 150° F.

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo

If so, have the requirements of the Rules been complied with

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have 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.)

This machinery has been constructed under Special Survey according to the Rules and approved plans, & the materials & workmanship are found to be good. It has been tried in the shop under working conditions & found satisfactory.

This machinery has been satisfactorily installed in the vessel, examined under working conditions and found satisfactory. See also Newcastle Report.

H.B. Forster

Newcastle-on-Tyne.

11.1.34

The amount of Entry Fee .. £ 3-0-0

Special (4s.) ... £ 21-16-0 7/12/1933

Donkey Boiler Fee ... £ : : When received,

Travelling Expenses (if any) £ 3-19-10 16/1/1934

Committee's Minute

Assigned

see M.V. 90909

FRI 12 JAN 1934

Engineer Surveyor to Lloyd's Register of Shipping.



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