

# REPORT ON MACHINERY.

MON. No. 1110 1891

Received at London Office

Date of writing Report

When handed in at Local Office

Port of

New York

No. in Survey held at  
Reg. Book.

Staten Island  
"SAN UGON"

Date, First Survey

Last Survey

May 18th 1921

on the S.S.

"SAN UGON"

(Number of Visits)

Gross Tons

Net Tons

ster

Built at

New York

By whom built

Standard Shipbuilding Corporation

When built

1921

ines made at

Chester, Pa.

By whom made

Standard Shipbuilding Co.

when made

1921

lers made at

New York

By whom made

Standard Shipbuilding Corporation

when made

1921

istered Horse Power

Owners

Eagle Oil Transport Co.

Port belonging to

London

Registered Horse Power as per Section 28

544

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

INES, &c.—Description of Engines

Triple Vertical Inverted

No. of Cylinders

3

No. of Cranks

3

Cylinders

27" x 45" x 74"

Length of Stroke

48"

Revs. per minute

80

Dia. of Screw shaft

as per rule 14.82"  
as fitted 15.8"

Material of screw shaft

Steel

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

propeller boss

Yes

If the liner is in more than one length are the joints burned

No

If the liner does not fit tightly at the part

the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

No

If two

are fitted, is the shaft lapped or protected between the liners

No

Length of stern bush

64"

Tunnel shaft

as per rule 13.4"  
as fitted 14.5"

Dia. of Crank shaft journals

as per rule 14.05"  
as fitted 14.5"

Dia. of Crank pin

14.5"

Size of Crank webs

27.5" x 9.5"

Dia. of thrust shaft under

14.7"

Dia. of screw

17-9"

Pitch of Screw

17-0"

No. of Blades

4

State whether moceable

No

Total surface

101 sq

Feed pumps

2 INDEP.

Diameter of ditto

8" x 10.5"

Stroke

21"

Can one be overhauled while the other is at work

Yes

Bilge pumps

2

Diameter of ditto

4"

Stroke

26"

Can one be overhauled while the other is at work

Yes

Donkey Engines

5

Sizes of Pumps

FORD BALL. 8" x 8" x 10" DUP.  
FER BALL. 10" x 12" x 12"  
WIL. TRANS. 5.5" x 6" x 12"  
GEN. SER. 2 AQUAFED EACH 8" x 6" x 8"

No. and size of Suctions connected to both Bilge and Donkey pumps

ine Room

7 @ 3.5"

In Holds, &c.

Aft. Cofferdam 3.5" Pump Room 2 @ 4" 2 @ 2.5"

nd Coffin

4"

Fore Hold

2 @ 2.5"

Bilge Injections

1 sizes

10"

Connected to condenser, or to circulating pump

Pump

Is a separate Donkey Suction fitted in Engine room & size

Yes 4.5"

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

None

connections with the sea direct on the skin of the ship

Yes

Are they Valves or Cocks

Both

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

Just below

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

pipes are carried through the bunkers

Oil bunkers only

How are they protected

No

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Yes

Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges

Yes

Screw Shaft Tunnel watertight

None

Is it fitted with a watertight door

No

worked from

ERS, &c.—(Letter for record

S.)

Manufacturers of Steel

Lukens Steel Co.

Heating Surface of Boilers

8160 sq

Is Forced Draft fitted

Yes

No. and Description of Boilers

3 Scotch.

ng Pressure

180 lb

Tested by hydraulic pressure to

320

Date of test

MAR 18 1921  
MAR 31 1921  
APRIL 11 1921

No. of Certificate

455

457

458

ch boiler be worked separately

Yes

Area of fire grate in each boiler

67 sq

No. and Description of Safety Valves to

iler

2 Spring Loaded

Area of each valve

9.6 sq

Pressure to which they are adjusted

185

Are they fitted with easing gear

Yes

it distance between boilers or uptakes and bunkers or woodwork

2 feet

Mean dia. of boilers

15.6"

Length

11.7"

Material of shell plates

Steel

ess

1.13/33

Range of tensile strength

26.8 TONS MIN.

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

D.R

ams

T.R.D.B.S.

Diameter of rivet holes in long. seams

17/16"

Pitch of rivets

8.3/4"

Lap of plates or width of butt straps

21"

stages of strength of longitudinal joint

rivets

98

Working pressure of shell by rules

194

Size of manhole in shell

18" x 22"

compensating ring

38" x 34"

No. and Description of Furnaces in each boiler

3 Morrison

Material

Steel

Outside diameter

49.5/32"

of plain part

top

Thickness of plates

37"

Description of longitudinal joint

weld

No. of strengthening rings

No

ng pressure of furnace by the rules

186

Combustion chamber plates: Material

Steel

Thickness: Sides

19/32"

Back

19/32"

Top

19/32"

Bottom

7/8"

of stays to ditto: Sides

7.5" x 7.5"

Back

7.5" x 7.5"

Top

8" x 7.5"

If stays are fitted with nuts or riveted heads

Nuts

Working pressure by rules

223.

al of stays

Steel

Area at smallest part

1.48 sq

Area supported by each stay

54.4 sq

Working pressure by rules

197

End plates in steam space:

al

Steel

Thickness

1.3/32"

Pitch of stays

17" x 17"

How are stays secured

D. NUTS.

Working pressure by rules

186

Material of stays

Steel

at smallest part

5.94 sq

Area supported by each stay

2.89

Working pressure by rules

186

Material of Front plates at bottom

Steel

ess

3/4"

Material of Lower back plate

Steel

Thickness

3/4" + 5/8"

Greatest pitch of stays

13.1/4" x 17"

Working pressure of plate by rules

223.

er of tubes

2.5"

Pitch of tubes

3.3/4" x 3.3/4"

Material of tube plates

Steel

Thickness:

Front 3/4" + 5/8"

Back

3/4"

Mean pitch of stays

9.125"

