

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report

19

When handed in at Local Office

5 Jan 1943

Port of

Sunderland

Received at London Office

12 JAN 1943

No. in Survey held at
Reg. Book

Sunderland

Date, First Survey

17 July 42

Last Survey

12 Jan 1943

(Number of Visits 55)

on the

"STAN LODGE"

Tons

Gross 5976.50

Net 4048.93

Built at

Sunderland

By whom built

W. Pickerskill & Sons Ltd.

Yard No.

256

When built

1942

Engines made at

Sunderland

By whom made

G. Black (1938) Ltd.

Engine No.

1241

When made

1942

Boilers made at

Sunderland

By whom made

G. Black (1938) Ltd.

Boiler No.

1241

When made

1942

Registered Horse Power

496

Owners

Stanhope S.S. Co. Ltd.

Port belonging to

London

Nom. Horse Power as per Rule

496

Is Refrigerating Machinery fitted for cargo purposes

No.

Is Electric Light fitted

Yes

Trade for which vessel is intended

ENGINES, &c.—Description of Engines

Triple Expansion (Poppet valves on H.P. & M.P. Cyls.)

Revs. per minute

Dia. of Cylinders

23 1/2" - 38" - 66"

Length of Stroke

45"

No. of Cylinders

3

No. of Cranks

3

Crank shaft, dia. of journals

as per Rule 13.3"

as fitted 13 3/4"

Crank pin dia.

13 3/4"

Crank webs

Mid. length breadth 24"

H.P. 8 3/8"

Mid. length thickness

H.P. 8 3/4"

Thickness parallel to axis

H.P. 8 3/4"

Thickness around eye-hole

JOURNAL 4 3/8"

PIN 6 7/8"

Intermediate Shafts, diameter

as per Rule 13"

as fitted 13"

Thrust shaft, diameter at collars

as per Rule 13 3/4"

as fitted 13 3/4"

Tube Shafts, diameter

as per Rule 14.14"

as fitted 14 3/4"

Screw Shaft, diameter

as per Rule 14.14"

as fitted 14 3/4"

Is the

tube

screw

shaft fitted with a continuous liner

Yes

Bronze Liners, thickness in way of bushes

as per Rule 3 1/4"

as fitted 3 1/4"

Thickness between bushes

as per Rule 2 1/32"

as fitted 2 1/32"

Is the after end of the liner made watertight in the

propeller boss

Yes

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

one length

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

at

No.

Is an approved Oil Gland or other appliance fitted at the after end of the tube

If so, state type

-

Propeller, dia.

14 3/8"

Pitch

16.0"

No. of Blades

4

Material

C.I.

whether Moveable

No.

Total Developed Surface

104 1/2 sq. feet

Feed Pumps worked from the Main Engines, No.

1

Diameter

-

Stroke

-

Can one be overhauled while the other is at work

Yes

Bilge Pumps worked from the Main Engines, No.

Two

Diameter

4"

Stroke

24"

Can one be overhauled while the other is at work

Yes

Feed Pumps

No. and size

2 - 9 1/2" x 4" x 21"

Pumps connected to the

Main Bilge Line

No. and size

1 @ 4" x 5" x 8"

Ballast pump

How driven

Steam

How driven

Steam

Ballast Pumps, No. and size

1 @ 9" x 11" x 10"

Lubricating Oil Pumps, including Spare Pump, No. and size

-

Are two independent means arranged for circulating water through the Oil Cooler

-

Suctions, connected to both Main Bilge Pumps and Auxiliary

Bilge Pumps:—In Engine and Boiler Room

3 @ 3" in E.R.

1 @ 3" in

In Pump Room

N°1. 3" φ rs.

N°2. 3 1/2" φ rs.

N°2 A. 2 1/2" φ rs.

In Pump Room

N°3. 3" φ rs.

N°4. 3" φ rs.

Main Water Circulating Pump Direct Bilge Suctions, No. and size

1 @ 8"

No. and size

1 @ 5"

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

Yes

Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges

Are all Sea Connections fitted direct on the skin of the ship

Yes

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Yes

Are the Overboard Discharges above or below the deep water line

Below

Are they 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

What Pipes pass through the bunkers

For bilge Suctions

How are they protected

Lead casing

What pipes pass through the deep tanks

None

Have they been tested as per Rule

-

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

Yes

Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one compartment to another

Is the Shaft Tunnel watertight

Yes

Is it fitted with a watertight door

No (Bellied)

worked from

-

MAIN BOILERS, &c.—(Letter for record

S.)

Total Heating Surface of Boilers

Main 5430 sq. ft.

Aux. 1486 sq. ft.

= 7516

Which Boilers are fitted with Forced Draft

all

Which Boilers are fitted with Superheaters

None

No. and Description of Boilers

2 S.B.

1 Aux.

Working Pressure

220

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

Yes

IS A DONKEY BOILER FITTED?

Yes

If so, is a report now forwarded?

Yes

Can the donkey boiler be used for domestic purposes only

PLANS. Are approved plans forwarded herewith for Shafting

(If not state date of approval)

Main Boilers

Retained for

Suctions

Auxiliary Boilers

Retained for

Suctions

Donkey Boilers

-

Superheaters

General Pumping Arrangements

Retained for

Suctions

Oil fuel Burning Piping Arrangements

-

SPARE GEAR.

Has the spare gear required by the Rules been supplied

Yes

State the principal additional spare gear supplied

1 C.I. Propeller, 1 hull. End bearing Complete with bolts & nuts,

2 top end bearings with bolts & nuts,

6 coupling bolts & nuts,

12 piston studs,

2 bilge pumps

Valves & seats,

1 set air pump valves,

1 set packing rings for H.P. piston,

1 set bearing

parts for 1 piston rod metallic packing,

1 set pads for ahead side thrust block,

2 valves for poppet valve gear (1 for H.P. 1 for M.P.)

2 roller bearings

2 main springs (1 H.P. 1 M.P.)

The foregoing is a correct description.

GEORGE CLARK (1988) LTD

Archibald B. Bony

DIRECTOR & GENERAL MANAGER

Manufacturer.



© 2020

Lloyd's Register

Foundation

003092-003095-0235

Dates of Survey while building
During progress of work in shops - - 1942. July. 17. 22. 23. 27. 28. 30. 31. Aug. 7. 21. 24. 31. Sep. 10. 14. 15. 16. 17. 21. 22. 24. 28. 30. Oct. 1. 5. 6. 7. 12. 14. 20. 21. 23. 26. 29. Nov. 2. 5. 6. 10. 13. 16. 17. 19. 20. 23. 24. 26. 27. 30. Dec. 1. 7. 8. 9. 11. 13. 19. 29.
During erection on board vessel - - - 1943. Jan. 1.
Total No. of visits 55.

Dates of Examination of principal parts - Cylinders L.P. 24/8/42 H.P. 24/8/42 M.P. 10/9/42. Slides L.P. 15/9/42. Covers 21/8/42.
Pistons 5/10/42 Piston Rods 5/10/42 Connecting rods 16/10/42
Crank shaft 16/9/42 Thrust shaft 1/10/42 Intermediate shafts 14/11/42.
Tube shaft - Screw shaft 6/10/42. Propeller 6/11/42
Stern tube 29/10/42 Engine and boiler seatings 9/12/42. Engines holding down bolts 9/12/42.
Completion of fitting sea connections 20/10/42
Completion of pumping arrangements 29/12/42. Boilers fixed 9/12/42. Engines tried under steam 19/12/42 P. 1/2" A. 3/8" S. 3/8" N° 7819 WHF.
Main boiler safety valves adjusted 19/12/42 Thickness of adjusting washers Port Bl. P. 1/16" A. 3/8" S. 3/8" N° 7819 WHF.
Crank shaft material Infot. Steel Identification Mark 16/9/42 Thrust shaft material Infot. Steel Identification Mark 1/10/42.
Intermediate shafts, material Infot. Steel Identification Marks 7821, 7883 Tube shaft, material - Identification Mark -
Screw shaft, material Infot. Steel Identification Mark 6/10/42 Steam Pipes, material S.D. Steel Test pressure 660 lbs/sq. in. Date of Test 11/12/42
Is an installation fitted for burning oil fuel No. Is the flash point of the oil to be used over 150° F. -
Have the requirements of the Rules for the use of oil as fuel been complied with -
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No. 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 Not decided.
Is this machinery duplicate of a previous case No. If so, state name of vessel S/S 'STANBANK' (has in this case an aux. bl. fitted).

General Remarks (State quality of workmanship, opinions as to class, &c.)
This machinery has been built under Special Survey in accordance with the approved plans & the rules of the Society.
The materials & workmanship are good.
It has been securely fitted on board the vessel & tried under working conditions alongside quay with satisfactory results & now eligible in my opinion to have notation of
220 L.H.C. 1.43 T.S.(C.L.), 2 S.B. 1 Aux. (F.D.) 220 lbs/sq. in.

The amount of Entry Fee ... £ 5 : : When applied for, 5 JAN 1943
Special ... £ 99 : 8 : :
Donkey Boiler Fee ... £ : : : When received,
Travelling Expenses (if any) £ : : : 19

Engineer Surveyor to Lloyd's Register of Shipping.
J. H. Law.

FRI. 22 JAN 1943

Committee's Minute
Assigned ... f. d. m. b. 1.43
J. H. Law.