

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report 19 When rendered in at Local Office 16/12/1940 Port of **NEWCASTLE-ON-TYNE**

No. in Survey held at **Newcastle** Date, First Survey **23 Jan 1940** Last Survey **6 Dec 1940**
Reg. Book. on the **S/S LAPSEKI** (Number of Visits **65**)

Built at **Newcastle** By whom built **Swan, Hunter & Wigham Richardson**, Yard No. **1670** Tons **Gross 691 Net 265**
When built **1940-12**

Engines made at **do** By whom made **do** Engine No. **1670** When made **"**

Boilers made at **do** By whom made **do** Boiler No. **1670** When made **"**

Registered Horse Power _____ Owners _____ Port belonging to _____
Nom. Horse Power as per Rule **132** Is Refrigerating Machinery fitted for cargo purposes **No** Is Electric Light fitted **Yes**

Trade for which Vessel is intended **Ferry Service**

ENGINES, &c.—Description of Engines **3 cyl Triple Expn. Recip.** Revs. per minute **225**

Dia. of Cylinders **12 + 19 + 31** Length of Stroke **21"** No. of Cylinders **3** No. of Cranks **3**

Crank shaft, dia. of journals as per Rule **6.09** as fitted **6 7/8** Crank pin dia. **7 1/8** Crank webs Mid. length breadth **shrunk** Thickness parallel to axis **4 5/16**

Intermediate Shafts, diameter as per Rule **5.8"** as fitted **7 1/8** Thrust shaft, diameter at collars as per Rule **6.09** as fitted **7.125**

Tube Shafts, diameter as per Rule _____ as fitted _____ Screw Shaft, diameter as per Rule **6.425** as fitted **6 3/4** Is the **tube** shaft fitted with a continuous liner **Yes**

Bronze Liners, thickness in way of bushes as per Rule **16/32** as fitted **17/32** Thickness between bushes as per Rule **13/32** as fitted **15/32** 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 piece**

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 **tight fit**

If two liners are fitted, is the shaft lapped or protected between the liners **Yes** Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft **No** If so, state type _____

Propeller, dia. **7'-6"** Pitch **5'-6"** No. of Blades **4** Material **M Bronze** whether Moveable **No** Total Developed Surface **20** sq. feet

Feed Pumps worked from the Main Engines, No. **None** Diameter _____ Stroke _____ Can one be overhauled while the other is at work _____

Bilge Pumps worked from the Main Engines, No. **None** Diameter _____ Stroke _____ Can one be overhauled while the other is at work _____

Feed Pumps No. and size **Two 8 1/2 x 6 x 13 Simplex** Pumps connected to the Main Bilge Line No. and size **Two - Ballast 6 x 7 x 9 dup. + GSP 6 x 6 x 6 duplex**

Ballast Pumps, No. and size **one 6 x 7 x 9 duplex** Lubricating Oil Pumps, including Spare Pump, No. and size **none**

Are two independent means arranged for circulating water through the Oil Cooler **Yes** Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room **Two of 3" dia + two of 2" dia, also one 3" at fore end of Boiler Room**

In Pump Room **Yes** In Holds, &c. **Three of one Centre 3" + PT wing 2 1/2" each**

also one 3" Ejector suction worked by Ballast Pump Discharge

Main Water Circulating Pump Direct Bilge Suctions, No. and size **one 6"** Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size **one 3" dia**

Are all the Bilge Suction Pipes in hold 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 **Yes**

Are all Sea Connections fitted direct on the skin of the ship **Yes** Are they fitted with Valves or Cocks **both**

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 **both**

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 **None** How are they protected _____

What pipes pass through the deep tanks **None** Have they been tested as per Rule **Yes**

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 **Yes** Is the Shaft Tunnel watertight **None (mach aft)** Is it fitted with a watertight door _____ worked from _____

MAIN BOILERS, &c.—(Letter for record **5**) Total Heating Surface of Boilers **2554 sq ft**

Is Forced Draft fitted **Yes** No. and Description of Boilers **2 Single Tnded** Working Pressure **180 lbs**

IS A REPORT ON MAIN BOILERS NOW FORWARDED? **Yes**

IS A DONKEY BOILER FITTED? **None** 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 **crank sh. 19/12/39** Main Boilers **15/12/39** Auxiliary Boilers _____ Donkey Boilers _____

(If not state date of approval) Superheaters _____ General Pumping Arrangements **22/2/40 + 15/3/40** Oil fuel Burning Piping Arrangements _____

Pumping arpt in ER 3/1/40 SPARE GEAR.

Has the spare gear required by the Rules been supplied **Yes**

State the principal additional spare gear supplied **20 Condenser tubes + 40 ferrules + packings for Cond. tubes**

The foregoing is a correct description,
SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

G. F. Smeed
DIRECTOR

Manufacturer.



© 2021
Lloyd's Register
Foundation

6 09912-009919-0010

1940
 During progress of work in shops - - - Jan 23. Mar. 27. Apr. 3. 4. 5. 10. 18. 19. 24. 30. May 1. 2. 7. 8. 9. 16. 22. 31. June 3. 4. 11. 13. 14. 17. 20. 24. 25. 27. July 3. 5. 16. 17. 23. 24. Aug. 1. 2. 8. 20. 21. 26. Sep. 5. 13. 18. 24. 25. 27. Oct. 4. 15. 16. 18. 23. 28. 30. Nov. 4. 6. 13. 14. 23. 25. 29. Dec. 2. 3. 6.

Dates of Survey while building During erection on board vessel - - -

Total No. of visits 65.

Dates of Examination of principal parts—Cylinders 3/6/40 Slides 4/11/40 Covers 3/6/40
 Pistons 4/11/40 Piston Rods 4/11/40 Connecting rods 4/11/40
 Crank shaft 28/10/40 Thrust shaft 12/9/40 1/5/40 Intermediate shafts 24/9/40 5/9/40
 Tube shaft — Screw shaft 21/8/40 Propeller 18/9/40
 Stern tube 13/9/40 Engine and boiler seatings 6/11/40 Engines holding down bolts 18/11/40
 Completion of fitting sea connections 13/9/40
 Completion of pumping arrangements 29/11/40 Boilers fixed 6/11/40 Engines tried under steam 29/11/49 & 6/12/40
 Main boiler safety valves adjusted 29/11/40 Thickness of adjusting washers Forward Blvr — Forward Valve 7/8" Aft Valve 3/8" Aft Blvr — " " 7/16" " " 5/8"
 Crank shaft material 7 Steel Identification Mark 8618 AW 28-10-40 Thrust shaft material 7 Steel Identification Mark 1321 HDB
 Intermediate shafts, material 7 Steel Identification Marks 1400 FH 1011 B Tube shaft, material — Identification Mark —
 Screw shaft, material 7 Steel Identification Mark 1328 HDB 996 A Steam Pipes, material S.D. Steel Test pressure 540 lbs. Date of Test 23/11/40
 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 ✓
 Is this machinery duplicate of a previous case Yes If so, state name of vessel S/S ECEBAT. Yard No 1662
 New. Rpt 98746.

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

The machinery of this vessel has been built under Special Survey in accordance with the Society's Rules and approved plans, satisfactorily installed on board and tried under steam under working conditions.

The materials and workmanship are good

The machinery of this vessel is eligible, in my opinion, to be classed with this Society and to have record + LMC. 12. 40, and the notations 2. SB. 180 lbs. FD. TS. CL.

Newcastle-on-Tyne

The amount of Entry Fee ... £ 3 : - :
 Special ... £ 33 : - :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, 124 DEC 1940
 When received, 2-1-41

A Watt
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 3 JAN 1941
 Assigned + Lamb 12.40
 J.D., C.L.

