

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

-6 AUG 1929

Date of writing Report

19

When handed in at Local Office

-1 AUG. 1929

Port of

Liverpool

No. in Survey held at
Reg. Book.

Birkenhead

Date, First Survey December 28/28 Last Survey July 23rd 1929

(Number of Visits)

78

21973 on the S S. Godfrey B. Holt

Tons { Gross 3563

Net 2180

Built at Birkenhead By whom built Cammell Laird & Co Ltd

Yard No. 954

When built 1929

Engines made at Birkenhead By whom made Cammell Laird & Co Ltd

Engine No. 954

when made 1929

Boilers made at Birkenhead By whom made Cammell Laird & Co Ltd

Boiler No. 954

when made 1929

Registered Horse Power Owners J. Holt & Co (LW) Ltd

Port belonging to Liverpool

Nom. Horse Power as per Rule 401

Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes

Trade for which Vessel is intended

ENGINES, &c.—Description of Engines

Vertical Triple Expansion

Revs. per minute 74

Dia. of Cylinders 22 1/2, 36 1/2, 62"

Length of Stroke 42"

No. of Cylinders Three

No. of Cranks Three

Crank shaft, dia. of journals as per Rule 11.8

as fitted 12 1/4"

Crank pin dia. 12 1/4"

Crank webs Mid. length breadth 23 1/2"

shrunk Thickness parallel to axis 7 3/4"

Intermediate Shafts, diameter as per Rule 11.8

as fitted 11 3/4"

Thrust shaft, diameter at collars as per Rule 11.8

as fitted 12 1/4"

Tube Shafts, diameter as per Rule 12.6"

as fitted 13 1/4"

Screw Shaft, diameter as per Rule 12.6"

as fitted 13 1/4"

Is the { tube } shaft fitted with a continuous liner { Yes }

Bronze Liners, thickness in way of bushes as per Rule 6.8

as fitted 3/4"

Thickness between bushes as per Rule 5.7

as fitted 5/8"

Is the after end of the liner made watertight in the propeller boss Yes

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 One length

If two liners are fitted, is the shaft lapped or protected between the liners Yes

If so, state type

Propeller, dia. 16.6"

Pitch 15.9"

No. of Blades four

Material of Propeller

Feed Pumps worked from the Main Engines, No. 2

Bilge Pumps worked from the Main Engines, No. 2

Feed Pumps { No. and size 2—one 6" x 7", one 7" x 8"

How driven Steam

Ballast Pumps, No. and size one 7" x 8" x 8"

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

Bilge Pumps;—In Engine and Boiler Room 3 @ 2 1/2"

In Holds, &c. 1st hold 2 @ 3" bore, 1st hold 2 @ 3 1/4" bore, 1st hold 2 @ 2 1/2" bore, 1st hold 2 @ 2 1/2" bore

Main Water Circulating Pump Direct Bilge Suctions, No. and size one 7"

No. and size one - 4"

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

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes

What Pipes pass through the bunkers None

What pipes pass through the deep tanks None

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 Yes

Is it fitted with a watertight door Yes

Is it worked from upper deck Yes

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 5776 sq' + 1490 = 6666 sq'

Is Forced Draft fitted Yes

No. and Description of Boilers Two cylindrical multitubular

Working Pressure 180 lb sq'

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS AN AUXILIARY BOILER FITTED? Yes (HS 1496 sq')

If so, is a report now forwarded? Yes

PLANS. Are approved plans forwarded herewith for Shafting Yes

(If not state date of approval)

Superheaters No

General Pumping Arrangements Yes

Oil fuel Burning Piping Arrangements Yes

SPARE GEAR. State the articles supplied:— As per Rule requirements and attached list.

The foregoing is a correct description,
CAMMELL LAIRD AND COMPANY LIMITED.

J. B. Laird

SECRETARY.

Manufacturer.



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Lloyd's Register
Foundation

002870-002875-0102

Dec 28. Jan 2. 7. 8. 11. 14. 19. 21. 24. 29. Feb 4. 5. 7. 12. 18. 20. 21. 22. 25. 26. 27. 28. Mar 4. 6. 8. 11. 15. 18. 22. 26. Apr 2. 8. 10. 12. 15. 17. 22. 23. 25. 26. May 1. 3. 7. 10. 13. 14. 15. 17. 22. 23. 24. 25. 27. 28. 29. 30. 31. June 3. 4. 5. 6. 8. 10. 12. 13. 14. 15. 17. 20. 26. 27. 28. July 3. 4. 8. 10. 21. 22. 23. 25. 26. 27. 28. 29. 30. 31. Aug 2. 8. 10. 12. 15. 17. 20. 26. 27. 28. 29. 30. 31. Sept 2. 8. 10. 12. 15. 17. 20. 26. 27. 28. 29. 30. 31. Oct 2. 8. 10. 12. 15. 17. 20. 26. 27. 28. 29. 30. 31. Nov 2. 8. 10. 12. 15. 17. 20. 26. 27. 28. 29. 30. 31. Dec 2. 8. 10. 12. 15. 17. 20. 26. 27. 28. 29. 30. 31.

Dates of Survey while building

During progress of work in shops - - -

During erection on board vessel - - -

Total No. of visits 78.

Dates of Examination of principal parts—Cylinders 26. 2. 29. 11. 3. 29. 23. 4. 29. Slides 23. 4. 29. Covers 23. 4. 29.

Pistons 21. 2. 29. Piston Rods 7. 2. 29. 24. 2. 29. Connecting rods 7. 2. 29. 24. 2. 29.

Crank shaft 21. 2. 29. 11. 3. 29. 18. 8. 29. Thrust shaft 21. 2. 29. Intermediate shafts 8. 1. 29. 21. 2. 29.

Tube shaft 10. 4. 29. 12. 4. 29. 13. 5. 29. Propeller 13. 5. 29.

Stern tube 8. 1. 29. 10. 5. 29. Engine and boiler seatings 27. 5. 29. Engines holding down bolts 27. 6. 29. 14. 6. 29.

Completion of fitting sea connections 15. 5. 29. Boilers fixed 5/6/29. Engines tried under steam 8/7/29.

Completion of pumping arrangements 28/6/29. Thickness of adjusting washers 1/16" 5/16" 3/8" 1/2" 5/8" 3/4" 1" 1 1/8" 1 1/4" 1 1/2" 1 3/4" 2" 2 1/4" 2 1/2" 2 3/4" 3" 3 1/4" 3 1/2" 3 3/4" 4" 4 1/4" 4 1/2" 4 3/4" 5" 5 1/4" 5 1/2" 5 3/4" 6" 6 1/4" 6 1/2" 6 3/4" 7" 7 1/4" 7 1/2" 7 3/4" 8" 8 1/4" 8 1/2" 8 3/4" 9" 9 1/4" 9 1/2" 9 3/4" 10" 10 1/4" 10 1/2" 10 3/4" 11" 11 1/4" 11 1/2" 11 3/4" 12" 12 1/4" 12 1/2" 12 3/4" 13" 13 1/4" 13 1/2" 13 3/4" 14" 14 1/4" 14 1/2" 14 3/4" 15" 15 1/4" 15 1/2" 15 3/4" 16" 16 1/4" 16 1/2" 16 3/4" 17" 17 1/4" 17 1/2" 17 3/4" 18" 18 1/4" 18 1/2" 18 3/4" 19" 19 1/4" 19 1/2" 19 3/4" 20" 20 1/4" 20 1/2" 20 3/4" 21" 21 1/4" 21 1/2" 21 3/4" 22" 22 1/4" 22 1/2" 22 3/4" 23" 23 1/4" 23 1/2" 23 3/4" 24" 24 1/4" 24 1/2" 24 3/4" 25" 25 1/4" 25 1/2" 25 3/4" 26" 26 1/4" 26 1/2" 26 3/4" 27" 27 1/4" 27 1/2" 27 3/4" 28" 28 1/4" 28 1/2" 28 3/4" 29" 29 1/4" 29 1/2" 29 3/4" 30" 30 1/4" 30 1/2" 30 3/4" 31" 31 1/4" 31 1/2" 31 3/4" 32" 32 1/4" 32 1/2" 32 3/4" 33" 33 1/4" 33 1/2" 33 3/4" 34" 34 1/4" 34 1/2" 34 3/4" 35" 35 1/4" 35 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