

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 2 FEB 1929

Date of writing Report - 1 FEB 1929

When handed in at Local Office - 1 FEB 1929

Port of HULL

No. in Survey held at Hull

Date, First Survey 19 Sept 28

Last Survey 26 Jan 1929

Reg. Book.

(Number of Visits 26)

61002 on the Steam Trawler "FLEMING"

Gross 356.27

Tons Net 158.72

Built at Beverley

By whom built Cook, Wilson &amp; Cammell Ltd

Yard No. 512

When built 1929

Engines made at Hull

By whom made Charles D Holmes &amp; Co Ltd

Engine No. 1354

when made 1929

Boilers made at Hull

By whom made

Boiler No. 1354

when made 1929

Registered Horse Power

Owners F. T. Ross Ltd

Port belonging to Hull

Nom. Horse Power as per Rule 96

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

Trade for which Vessel is intended

Fishing

## ENGINES, &amp;c.—Description of Engines

Triple Expansion

Revs. per minute

Dia. of Cylinders 13.23.37

Length of Stroke 26

No. of Cylinders 3

No. of Cranks 3

Crank shaft, dia. of journals as per Rule 7.1

Crank pin dia. 4 1/2

Crank webs

Mid. length breadth

Thickness parallel to axis 4 1/2

as fitted 7 1/2

as fitted 7 1/2

as fitted 7 1/2

Mid. length thickness

Thickness around eye-hole 3 3/8

Intermediate Shafts, diameter as per Rule

Thrust shaft, diameter at collars as per Rule

Tube Shafts, diameter as fitted

Screw Shaft, diameter as fitted

Is the tube

screw

shaft fitted with a continuous liner

Bronze Liners, thickness in way of bushes as per Rule

Thickness between bushes as per Rule

Is the after end of the liner made watertight in the

propeller boss

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

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

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

end of the tube shaft

Length of Bearing in Stern Bush next to and supporting propeller

Propeller, dia. 9' 9"

Pitch 10' 10 1/2"

No. of Blades 4

Material

whether Moveable

Total Developed Surface 34.75 sq. feet

Feed Pumps worked from the Main Engines, No. One

Diameter 2 5/8"

Stroke 14 3/4"

Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No. One

Diameter 2 5/8"

Stroke 14 3/4"

Can one be overhauled while the other is at work

Feed Pumps

No. and size 6 x 4 1/2 x 6"

Pumps connected to the

No. and size 6 x 4 1/2 x 6" + 3" Jacket

How driven

Main Bilge Line

How driven

Ballast Pumps, No. and size

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

In Holds, &amp;c.

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

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

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

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

Are they fitted with Valves or Cocks

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

Are the Overboard Discharges above or below the deep water line

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

Are the Blow Off Cocks fitted with a spigot and brass covering plate

What Pipes pass through the bunkers

How are they protected

What pipes pass through the deep tanks

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

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

Is it fitted with a watertight door

worked from

## MAIN BOILERS, &amp;c.—(Letter for record)

Total Heating Surface of Boilers 1698 Sq. feet

Is Forced Draft fitted

No. and Description of Boilers One Single Ended

Working Pressure 200 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

PLANS. Are approved plans forwarded herewith for Shafting

Main Boilers

Auxiliary Boilers

Donkey Boilers

(If not state date of approval)

Superheaters

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

## SPARE GEAR.

State the articles supplied:—

2 Bolts &amp; nuts for top ends, bottom ends

&amp; main bearings. Set of coupling bolts &amp; nuts. Set of feed pump

valves. Main &amp; donkey check valves. Safety valve spring

Feed pump ram. C. Pump impeller &amp; shaft. Bolts &amp; iron of various

sizes.

The foregoing is a correct description,

FOR CHARLES D. HOLMES &amp; CO., LTD.

Manufacturer.



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Lloyd's Register  
Foundation

W395-0151



00200

1928. Sept 19. Oct 24. 26. Nov 1. 6. 8. 12. 20. 26. 28. 29 Dec 3. 10. 13. 18. 18. 20. 21. 28.

During progress of work in shops - - 1929. Jan 9. 18. 19. 22. 24. 25. 26.

Dates of Survey while building

During erection on board vessel - - -

Total No. of visits 26.

Dates of Examination of principal parts—Cylinders 26. 11. 28 Slides 3. 12. 28 Covers 26. 11. 28

Pistons 3. 12. 28 Piston Rods 26. 11. 28 Connecting rods 26. 11. 28

Crank shaft 3. 12. 28 Thrust shaft 28. 11. 28 Intermediate shafts

Tube shaft ✓ Screw shaft 28. 11. 28 Propeller 28. 11. 28

Stern tube 28. 11. 28 Engine and boiler seatings 18. 1. 29 Engines holding down bolts 18. 1. 29

Completion of fitting sea connections 20. 12. 28

Completion of pumping arrangements 25. 1. 29 Boilers fixed 18. 1. 29. Engines tried under steam 25. 1. 29

Main boiler safety valves adjusted 25. 1. 29 Thickness of adjusting washers A 5/16 F 1/2

Crank shaft material Steel Identification Mark Kings 370 Thrust shaft material Steel Identification Mark Kings 370

Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark

Screw shaft, material Steel Identification Mark Kings 370 Steam Pipes, material D. Copper Test pressure 400 lbs. Date of Test 22. 1. 29

Is an installation fitted for burning oil fuel ✓ Is the flash point of the oil to be used over 150°F. ✓

Have the requirements of the Rules for carrying and burning oil fuel been complied with ✓

Is this machinery duplicate of a previous case Yes ✓ If so, state name of vessel Kingston Beryl ✓

General Remarks (State quality of workmanship, opinions as to class, &c. The machinery of this vessel has been built under special survey & the materials & workmanship are sound & good. It has been satisfactorily fitted on board tried under full working conditions & all found in good order. It is eligible in my opinion to have record of + L.M.C. 1. 29 C.L. ✓

It is submitted that this vessel is eligible for THE RECORD. L.M.C 1.29. 4/1/29

The amount of Entry Fee ... £ 2 : 0 : When applied for, 31 Jan 1929

Special ... £ 24 : 0 : When received, 15/2/29

Donkey Boiler Fee ... £ : : Travelling Expenses (if any) £ : :

Committee's Minute TUE 5 FEB 1929

Assigned + L.M.C. 1:29

John H. Mackintosh, Engineer Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to The Surveyors are requested not to write on or below the space for Committee's Minute.

CERTIFICATE WRITTEN