

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

16 AUG 1927

Writing Report 15 AUG 1927

When handed in at Local Office

15 AUG 1927

Port of Hull

Survey held at Hull

Date, First Survey 11 March

Last Survey 9 August 1924

Book

3 on the

S. Trawler "KINGSTON ONYX"

(Number of Visits 19)

Gross 352.37

Net 145.75

at Beverley

By whom built

Cook, Welton & Gemmell

Yard No. 488

When built 1927

Machinery made at Hull

By whom made

Charles Holmes & Co. Ld

Engine No. 1312

when made 1924

Boilers made at Hull

By whom made

Charles Holmes & Co. Ld

Boiler No. 1312

when made 1924

Indicated Horse Power 96.4

Owners

Kington Steam Trawling Co. Ltd.

Port belonging to

Hull

Horse Power as per Rule 96.4

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes

for which Vessel is intended

Fishing

NES, &c.—Description of Engines

Triple Expansion

No. of Cylinders 13. 23. 37

Length of Stroke 26

No. of Cylinders 3

Revs. per minute 112

No. of Cranks 3

Shaft, dia. of journals

as per Rule 6.9

as fitted 4.5

Crank pin dia. 4.5

Crank webs

Mid. length breadth 14.4

Mid. length thickness 4.76

shrink

Thickness parallel to axis 4.76

Thickness around eye-hole 3.38

Intermediate Shafts, diameter

as per Rule

as fitted

Thrust shaft, diameter at collars

as per Rule 6.9

as fitted 4.5

Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule 7.4

as fitted 8.4

Is the tube

shaft fitted with a continuous liner

Yes

Liners, thickness in way of bushes

as per Rule

as fitted 3.6

Thickness between bushes

as per Rule 3.6

as fitted 3.6

Is the after end of the liner made watertight in the

boss

Yes

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

Yes

ner 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

Yes

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

tube shaft

No

Length of Bearing in Stern Bush next to and supporting propeller

3'-0"

Pitch 10'-10 1/2"

No. of Blades 4

Material C.I.

whether Moveable

No

Total Developed Surface

34.75

sq. feet

Pumps worked from the Main Engines, No.

One

Diameter 2 7/8"

Stroke 14 3/4"

Can one be overhauled while the other is at work

Yes

Pumps worked from the Main Engines, No.

One

Diameter 2 7/8"

Stroke 14 3/4"

Can one be overhauled while the other is at work

Yes

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

How driven

Steam

Pumps connected to the

Main Bilge Line

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

How driven

Steam

Pumps, No. and size

2 @ 2" dia

5 @ 2" dia

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

2 @ 2" dia

Suctions, connected to both Main Bilge Pumps and Auxiliary

Pumps

2 @ 2" dia

5 @ 2" dia

Water Circulating Pump Direct Bilge Suctions, No. and size

1 @ 3"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

size 1 @ 3"

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

Yes

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

Sea Connections fitted direct on the skin of the ship

Yes

Are they fitted with Valves or Cocks

Both

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

Above

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

How are they protected

Wood casing

How are they protected

Wood casing

How are they protected

Wood casing

Have they been tested as per Rule

Yes

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

Yes

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

space to another

Yes

Is the Shaft Tunnel watertight

Yes

Is it fitted with a watertight door

worked from

BOILERS, &c.—(Letter for record

5)

Total Heating Surface of Boilers

1698 Sq. ft.

Is Draft fitted

No

No. and Description of Boilers

One Single End

Working Pressure

200 Lbs.

REPORT ON MAIN BOILERS NOW FORWARDED?

Yes

DONKEY BOILER FITTED?

Yes

If so, is a report now forwarded?

Yes

Are approved plans forwarded herewith for Shafting

Main Boilers

Auxiliary Boilers

Donkey Boilers

(If not state date of approval)

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

E GEAR. State the articles supplied:—

2 Top end bolts & nuts. 2 Bottom end bolts & nuts.

2 bearing bolts & nuts. Set of coupling bolts & nuts. Set of feed and

pump valves. Safety valve springs. Main & donkey check

valves & seats. 3 Condenser tubes. Impeller & shaft for centrif. pump

pump ram, with pump & hook ring. Spare valves for

pump. Approved bolts & nuts.

0:0

0:0

The foregoing is a correct description,

For CHARLES D. HOLMES & Co. LTD

Manufacturer.

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Lloyd's Register

Foundation

003778-003787-0139

Date of writing Report

No. in Survey Reg. Book.

11903 in the

Master

Engines made at

Boilers made at

Nominal Horse Power

MULTITUBULAR

Manufacturers of

Total Heating Surface

No. and Description

Tested by hydraulic

Area of Firegrate

Area of each set

In case of donkey

Smallest distance

Smallest distance

Largest internal

Thickness

Long seams

Percentage of strength

Percentage of strength

Thickness of butt

Material

Length of plain plates

Dimensions of stays

End plates in steam

How are stays secured

Tube plates: Material

Mean pitch of stays

Girders to combustion

at centre

in each

Tensile strength

Pitch of stays to drums

Working pressure

Thickness

Pitch of stays at

Working Pressure

Diameter

Working pressure

Diameter

Working pressure

Diameter

Working pressure

Diameter

Working pressure

1927. Mar 11. Apr 25. May 9. 14. 20. 27. June 13. 15. 23. 30. July 6. 11. 18. 19. 23. 27. 30. Aug 6. 9.

Dates of Survey while building

During erection on board vessel - - -

Total No. of visits

Dates of Examination of principal parts—Cylinders 6, 7, 27. Slides 6, 7, 27. Covers 6, 7, 27.

Pistons 15, 6, 27. Piston Rods 15, 6, 27. Connecting rods 6, 7, 27.

Crank shaft 23, 6, 27. Thrust shaft 27, 5, 27. Intermediate shafts ✓

Tube shaft ✓. Screw shaft 14, 5, 27. Propeller 9, 5, 27.

Stern tube 9, 5, 27. Engine and boiler seatings 23, 7, 27. Engines holding down bolts 27, 7, 27.

Completion of fitting sea connections 15, 6, 27.

Completion of pumping arrangements 6, 8, 27. Boilers fixed 23, 7, 27. Engines tried under steam 6, 8, 27.

Main boiler safety valves adjusted 6, 8, 27. Thickness of adjusting washers 3/8"

Crank shaft material Steel. Identification Mark L.R. 257 J.K.W. Thrust shaft material Steel. Identification Mark L.R. 257 J.H.M.

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

Screw shaft, material Steel. Identification Mark L.R. 257 J.H.M. Steam Pipes, material Copper. Test pressure 450. Date of Test 30, 7, 27.

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 carrying and burning oil fuel been complied with ✓

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

General Remarks (State quality of workmanship, opinions as to class, &c. The machinery of this vessel has been built under special survey and the material and workmanship, are sound and good. The engines, boilers and pumping arrangements, have all been tried under working conditions and found in order.

The machinery is eligible, in my opinion, to have record in the Register Book, of + L.M.C. 8, 27. C.L.

It is submitted that
this vessel is eligible for
THE RECORD.

+ L.M.C. 8, 27 C.L.

J.K.W.

16/8/27.

J.

The amount of Entry Fee ... £ 2 : 0 : 0

Special ... £ 24 : 0 : 0

Donkey Boiler Fee ... £ :

Travelling Expenses (if any) £ :

When applied for

15 Aug 1927

When received,

1. 9. 27

Committee's Minute

FRI. 19 AUG 1927

Assigned

+ L.M.C. 8, 27 C.L.

CERTIFICATE WRITTEN

John K. Williams. J. L. Smith.

Engineer Surveyor to Lloyd's Register of Shipping.



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