

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

-6 OCT 1927

Date of writing Report - 5 OCT 1927 When handed in at Local Office

- 5 OCT 1927 Port of

No. in Survey held at

Hull

Date, First Survey

20 May

Last Survey

1 Oct

1927

Reg. Book.

17/05 on the Hull S. T. "ST. MELANTE"

(Number of Visits 74)

Gross 368

Net 155

Built at

Bourley

By whom built

Cook, Helton & Gemmell Ltd

Yard No.

489

When built

Engines made at

Hull

By whom made

Charles D. Holmes & Co Ltd

Engine No.

1315

when made

1927

Boilers made at

Hull

By whom made

do

Boiler No.

1315

when made

1927

Registered Horse Power

Owners

T. Hamling & Co Ltd

Port belonging to

Hull

Nom. Horse Power as per Rule

96.4

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

Trade for which Vessel is intended

Fishing

ENGINES, &c.—Description of Engines

Triple Expansion

Revs. per minute

112

Dia. of Cylinders

13" 23" 34"

Length of Stroke

26"

No. of Cylinders

3

No. of Cranks

3

Crank shaft, dia. of journals

as per Rule 6.9

as fitted 7.2

Crank pin dia.

7.2

Crank webs

Mid. length breadth 14.4

Mid. length thickness 4.78

shrink

Thickness parallel to axis 4.78

Thickness around eye-hole 3.98

Intermediate Shafts, diameter

as per Rule

as fitted 7.2

Thrust shaft, diameter at collars

as per Rule

as fitted 7.2

Tube Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule

as fitted 8.4

Is the

screw

shaft fitted with a continuous liner

yes

Bronze Liners, thickness in way of bushes

as per Rule

as fitted 7.6

Thickness between bushes

as per Rule

as fitted 3.8

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

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

yes

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

yes

Length of Bearing in Stern Bush next to and supporting propeller

3'-0"

Propeller, dia.

9'-9"

Pitch

16'-10 1/2"

No. of Blades

4

Material

CS

whether Moveable

no

Total Developed Surface

34.75

sq. feet

Feed Pumps worked from the Main Engines, No.

One

Diameter

2 7/8"

Stroke

14 1/4"

Can one be overhauled while the other is at work

yes

Bilge Pumps worked from the Main Engines, No.

One

Diameter

2 7/8"

Stroke

14 1/4"

Can one be overhauled while the other is at work

yes

Feed Pumps

No. and size

6 x 3 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

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

2 @ 2"

In Holds, &c.

5 @ 2"

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

No. and size

1 @ 3"

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

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

Above

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

Forward Suctions

How are they protected

Wood casings

What pipes pass through the deep tanks

yes

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

yes

Is it fitted with a watertight door

yes

worked from

yes

MAIN BOILERS, &c.—(Letter for record)

Total Heating Surface of Boilers

1698 sq. ft.

Is Forced Draft fitted

no

No. and Description of Boilers

One, Single ended

Working Pressure

200 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

yes

IS A DONKEY BOILER FITTED?

no

If so, is a report now forwarded?

yes

PLANS.

Are approved plans forwarded herewith for Shafting

no

Main Boilers

yes

Auxiliary Boilers

Donkey Boilers

Superheaters

(If not state date of approval)

General Pumping Arrangements

yes

Oil fuel Burning Piping Arrangements

yes

SPARE GEAR.

State the articles supplied:—

2 Top end bolts & nuts. 2 Bottom end bolts & nuts. 2 main bearing bolts & nuts. Set of coupling bolts & nuts. Set of feed & bilge pump valves. main & donkey check valves & seats. Safety valve spring. Impeller & shaft for centrifugal pump. Feed pump ram, complete. Spare valves for duplex & fly-wheel pumps. Bolts & nuts of various sizes.

The foregoing is a correct description,

CHARLES D. HOLMES & Co., Ltd.

Harold Shearman

Manufacturer.



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Lloyd's Register Foundation

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1927. May 20. June 13. 15. 23. July 6. 11. 19. 20. Aug 4. 10. 11. 13. 22. 24. 26. Sept 5. 5.
During progress of work in shops - - -
14. 14. 19. 23. 26. 26. Oct 1.
Dates of Survey while building
During erection on board vessel - - -
Total No. of visits 24.

Dates of Examination of principal parts—Cylinders 22. 8. 27 Slides 22. 8. 27 Covers 22. 8. 27
Pistons 22. 8. 27 Piston Rods 22. 8. 27 Connecting rods 22. 8. 27
Crank shaft 11. 8. 27 Thrust shaft 13. 8. 27 Intermediate shafts ✓
Tube shaft ✓ Screw shaft 19. 7. 27. Propeller 20. 7. 27
Stern tube 20. 7. 27 Engine and boiler seatings 14. 9. 27. Engines holding down bolts 14. 9. 27
Completion of fitting sea connections 10. 8. 27
Completion of pumping arrangements 23. 9. 27 Boilers fixed 23. 9. 27 Engines tried under steam 23. 9. 27
Main boiler safety valves adjusted 23. 9. 27 Thickness of adjusting washers A. 1/32. F. 3/8"
Crank shaft material Steel Identification Mark Lloyd's 268 Thrust shaft material Steel Identification Mark Lloyd's 268
Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material Steel Identification Mark Lloyd's 268 Steam Pipes, material S.D. Copper Test pressure 400 lbs Date of Test 14. 9. 27
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 "Kingslow King"

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

The machinery is eligible in my opinion to have record in the Register Book of + L.M.C. 10. 27 C.L.

It is submitted that this vessel is eligible for THE RECORD. + LMC 10. 27. CL.

W.D.
6/10/27
J. H. Shackirdy

Engineer Surveyor to Lloyd's Register of Shipping.

The amount of Entry Fee ... £ 2 : 0 :
Special ... £ 24 : 0 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 5 Oct 1927
When received, 1. 11. 1927

Committee's Minute

Assigned

Thurs 10. 27 C.L.

FRI. 7 OCT 1927

CERTIFICATE WRITTEN



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