

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report

When handed in at Local Office

5: 6: 1945 Port of Aberdeen

No. in Survey held at Reg. Book.

Aberdeen

Date, First Survey 26: 2: 45

Last Survey 29: 5: 1945

(Number of Visits 10.)

on the SS FIREBEAM

Tons } Gross 1553.43
Net 892.58

Built at Aberdeen

By whom built Hall Russell & Co. P.

Yard No. 485

When built 1945

Engines made at Glasgow

By whom made D. Rowan & Co. P.

Engine No. 1133

When made ..

Boilers made at "

By whom made "

Boiler No. 1133

When made ..

Registered Horse Power

Owners Gas Light & Coke Co. P.

Port belonging to London

Nom. Horse Power as per Rule 184.

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes.

Trade for which Vessel is intended

COAL TRADE.

ENGINES, &c.—Description of Engines

Triple expansion

Revs. per minute 90.

Dia. of Cylinders

Length of Stroke

No. of Cylinders

No. of Cranks

Crank shaft, dia. of journals

as per Rule

Crank pin dia.

Crank webs

Mid. length breadth

shrunk

Thickness parallel to axis

Thickness around eye-hole

Intermediate Shafts, diameter

as per Rule

as fitted

Thrust shaft, diameter at collars

as per Rule

as fitted

Tube Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule

as fitted

No. 69

Is the tube

screw

shaft fitted with a continuous liner

Bronze Liners, thickness in way of bushes

as per Rule

as fitted

Thickness between bushes

as per Rule

as fitted

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 protected between the liners

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

shaft

If so, state type

Length of Bearing in Stern Bush next to and supporting propeller

Propeller, dia.

Pitch

No. of Blades

Material

whether Moveable

Total Developed Surface

sq. feet

Feed Pumps worked from the Main Engines, No.

Diameter

Stroke

Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No.

Diameter

Stroke

Can one be overhauled while the other is at work

Feed Pumps

No. and size

1-4" x 2 1/2" x 5"

Pumps connected to the Main Bilge Line

No. and size

1-6" x 4" x 6"

1-9" x 11" x 10"

How driven

Steam Duplex

Ballast Pumps, No. and size

1-9" x 11" x 10"

Lubricating Oil Pumps, including Spare Pump, No. and size None.

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

ER 1-2 1/2, BR 1-2 1/2

In Pump Room

None

In Holds, &c.

N: 1 Hold 1-3 1/2, N: 2 Hold 2-3

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

1-5"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

1-3 1/2"

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

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

Yes

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

Is it fitted with a watertight door

Yes

worked from

MAIN BOILERS, &c.—(Letter for record S)

Total Heating Surface of Boilers

2450 square feet

Which Boilers are fitted with Forced Draft

Yes

Which Boilers are fitted with Superheaters

Yes

No. and Description of Boilers

One single ended

Working Pressure

200 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

Yes

Sh. Ppt N° 69438

IS A DONKEY BOILER FITTED?

Yes

If so, is a report now forwarded?

Yes

Sh. Ppt N° 69336

Can the donkey boiler be used for domestic purposes only

No

PLANS.

Are approved plans forwarded herewith for Shafting

Yes

Main Boilers

Yes

Auxiliary Boilers

Donkey Boilers

(If not state date of approval)

Superheaters

Yes

General Pumping Arrangements

Yes

Oil fuel Burning Piping Arrangements

Yes

SPARE GEAR.

Has the spare gear required by the Rules been supplied

Yes

State the principal additional spare gear supplied

The foregoing is a correct description. FOR INSTALLATION ONLY.

For HALL RUSSELL & Co., Ltd.

Manufacturer.

Director & General Manager.



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