

# REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

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No. in Survey held at IMMINGHAM. Date, First Survey 22. 4. 48. Last Survey 20. 5. 1948.  
 (Number of Visits 9)

19878 on the S/S "BALTONIA" Tons Gross 1944  
Net 965

Built at Hamburg By whom built Deutsche Werft A.G. Yard No. - When built 1944

Engines made at Hamburg By whom made Deutsche Werft A.G. Engine No. - when made 1944

Boilers made at Hamburg By whom made Deutsche Werft A.G. Boiler No. - when made 1944

Registered Horse Power - Owners United Baltic Corporation, Ltd. Port belonging to London.

Mach. Numeral 327 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes.

Trade for which Vessel is intended General cargo carrier.

ENGINES, &c.—Description of Engines Double compound, steam recip. Lentz. Revs. per minute 86

Dia. of Cylinders (2) 16 1/2" Length of Stroke 35.7/16" No. of Cylinders 4. No. of Cranks 4.

Crank shaft, dia. of journals as per Rule 11.7/16" Crank pin dia. 11.7/16" Crank webs Mid. length breadth 22.1/16" Thickness parallel to axis 6.5/8"  
as fitted 11.7/16" Crank webs Mid. length thickness 6.5/8" shrunk Thickness around eye-hole 5.1/4"

Intermediate Shafts, diameter as per Rule 11.13/16" Thrust shaft, diameter at collars as per Rule 11.1/4"  
as fitted 11.13/16" as fitted 11.1/4"

Tube Shafts, diameter as per Rule - Screw Shaft, diameter as per Rule 12.1/16" Is the screw shaft fitted with a continuous liner Yes. (steel)  
as fitted - as fitted 12.1/16"

Steel Liners, thickness in way of bushes as per Rule 11/16" Thickness between bushes as per Rule 1/8" Is the after end of the liner made watertight in the propeller boss Yes.  
as fitted 11/16" as fitted 1/8"

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 No.

Length of Bearing in Stern Bush next to and supporting propeller 4' - 1 1/4"

Propeller, dia. 14'0" Pitch 12'0" No. of Blades 4 Material C. Iron whether Moveable No. 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 2 @ 8" x 6" x 16" Pumps connected to the { No. and size 2 - 1 @ 9" x 10" x 15", 1 @ 4" x 4" x 7"  
 How driven Steam Main Bilge Line { How driven Steam Steam

Ballast Pumps, No. and size 1 @ 9" x 10" x 15" 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 E.R. 4 @ 3", B.R. 2 @ 3", 1 @ 2 3/4"

In Holds, &c. No. 1 - 2 @ 2 1/2", No. 2 - 2 @ 3", No. 3 - 2 @ 3"

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 - 7.7/8" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 @ 5" 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 Valves and cocks.

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 None. How are they protected None.

What pipes pass through the deep tanks None. Have they been tested as per Rule 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. worked from Top deck.

MAIN BOILERS, &c.—(Letter for record -) Total Heating Surface of Boilers 3660 sq.ft.

Is Forced Draft fitted Yes. No. and Description of Boilers 2 - Copus (German) Working Pressure 216 lbs./sq.in.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes.

IS A DONKEY BOILER FITTED? No. If so, is a report now forwarded? -

PLANS. Are approved plans forwarded herewith for Shafting Yes. Main Boilers Yes. Auxiliary Boilers - Donkey Boilers -  
 (If not state date of approval)

Superheaters - General Pumping Arrangements Yes. Oil fuel Burning Piping Arrangements -

SPARE GEAR. State the articles supplied:— -

The foregoing is a correct description,

Manufacturer.



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