

Bel. 14265

No. 113864

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

27 MAY 1946

Port of LONDON

When handed in at Local Office

Survey held at Beafou Date, First Survey 25 January Last Survey 26 April 1946

By whom built BALAENA Yard No. HARLAND & WOLFF No 1327 When built 1946

By whom made W. H. Allen Sons Ltd Engine No. R2/56751 When made 1946

By whom made 76. H. W. Set Boiler No. - When made -

Owners - Port belonging to -

Is Refrigerating Machinery fitted for cargo purposes - Is Electric Light fitted yes

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Enclosed Compound Engine

Revs. per minute 500

Description of Engines 8 1/2" dia & 13" dia Length of Stroke 6 1/2" No. of Cylinders 2 No. of Cranks 2

as per Rule 3 1/4" Crank pin dia. 3 1/2" Mid. length breadth 5 1/2" Thickness parallel to axis shrunk

as fitted 3 1/4" Crank webs 2 3/8" Mid. length thickness 2 3/8" Thickness around eye-hole -

as per Rule - Thrust shaft, diameter at collars - as fitted -

as per Rule - Is the { tube } shaft fitted with a continuous liner { screw }

as per Rule - Thickness between bushes - Is the after end of the liner made watertight in the -

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

as per Rule - Is an approved Oil Gland or other appliance fitted at the after end of the tube -

as fitted - Length of Bearing in Stern Bush next to and supporting propeller -

as per Rule - Total Developed Surface - sq. feet

as fitted - Can one be overhauled while the other is at work -

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as fitted - No. and size - How driven -

as per Rule - Lubricating Oil Pumps, including Spare Pump, No. and size -

as fitted - Suctions, connected both to Main Bilge Pumps and Auxiliary -

as per Rule - Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges, -

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

as per Rule - Are they fitted with Valves or Cocks -

as fitted - Are the Overboard Discharges above or below the deep water line -

as per Rule - Are the Blow Off Cocks fitted with a spigot and brass covering plate -

as fitted - How are they protected -

as per Rule - Have they been tested as per Rule -

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

as per Rule - 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 -

as fitted - Is the Shaft Tunnel watertight - Is it fitted with a watertight door - worked from -

as per Rule - BOILERS, &c.—(Letter for record -) Total Heating Surface of Boilers -

as fitted - Which Boilers are fitted with Superheaters -

as per Rule - Working Pressure -

as fitted - REPORT ON MAIN BOILERS NOW FORWARDED? -

as per Rule - If so, is a report now forwarded? -

as fitted - DONKEY BOILER FITTED? -

as per Rule - donkey boiler be used for other than domestic purposes -

as fitted - Main Boilers - Auxiliary Boilers - Donkey Boilers -

as per Rule - Are approved plans forwarded herewith for Shafting -

as fitted - (If not state date of approval) -

as per Rule - General Pumping Arrangements - Oil fuel Burning Piping Arrangements -

as fitted - SPARE GEAR. -

spare gear required by the Rules been supplied -

principal additional spare gear supplied -

2 Conn: Rod Bolts, Nuts & Split pins

2 Crosshead " " " " "

2 Main Brg: " " " " "

1 Set Coupling " " " " "

The foregoing is a correct description.

W. H. Allen For W. H. Allen Sons & Co. LTD. Manufacturer.

1946 Jan 25 Mar 12 Apr 5 26

Dates of Survey while building

During progress of work in shops - - -

During erection on board vessel - - -

Total No. of visits 4 (In shops)

Dates of Examination of principal parts - Cylinders 5.4.46 Slides 5.4.46 Covers 5.4.46

Pistons 12.3.46 Piston Rods 12.3.46 Connecting rods 12.3.46

Crank shaft 25.1.46 Thrust shaft - Intermediate shafts -

Tube shaft - Screw shaft - Propeller -

Stern tube - Engine and boiler seatings - Engines holding down bolts -

Completion of fitting sea connections - Boilers fixed - Engines tried under steam -

Completion of pumping arrangements - Thickness of adjusting washers -

Main boiler safety valves adjusted - Identification Mark 715 E LLOYD'S 25.1.46

Crank shaft material Cast Steel Thrust shaft material - Identification Mark -

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

Screw shaft, material Identification Mark Steam Pipes, material Test pressure - Date of Test -

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 the use of oil as fuel been complied with -

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo - If so, have the requirements of the Rules been complied with -

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with -

Is this machinery duplicate of a previous case - If so, state name of vessel -

General Remarks (State quality of workmanship, opinions as to class, &c.) The steam generating set was constructed under special survey in accordance with the requirements of the Rules and approved plans; the steel was made at Works approved by the Committee; the workmanship is good on completion the set was tested up to the bench under full and overload conditions with satisfactory results.

The set has been despatched to Harland & Wolff Works Belfast

This generating set has been efficiently installed onboard the vessel and tested under full working conditions with satisfactory results.

Rev. S. Thomas

The amount of Entry Fee ... £ 4 : 0 : When applied for, 27 MAY 1946

Special ... £ : : When received, 19

Donkey Boiler Fee ... £ : : 19.10

Travelling Expenses (if any) £ : 19.10

Date FRI, 22 NOV 1946

Committee's Minute See F.E. mch. rpt.



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