

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 24834

Date of writing Report 17/1 1953 When handed in at Local Office 27 JAN 1953 Port of GREENOCK Received at London Office 28 JAN 1953
 No. in Survey held at GREENOCK Date, First Survey 25/11/52 Last Survey 30/12 1952
 Reg. Book on the WEATHER OBSERVER (EX MARGUERITE) (Number of Visits 4)
 Built at ABERDEEN By whom built HALL RUSSELL & CO LTD Yard No. _____
 Engines made at ABERDEEN By whom made HALL RUSSELL & CO LTD Engine No. _____
 Boilers made at GLASGOW By whom made BARCLAY CURLE & CO LTD Boiler No. _____
 Registered Horse Power 1HP 2750 (STATED) Owners THE AIR MINISTRY When made _____
 Nom. Horse Power as per Rule 114 495 Is Refrigerating Machinery fitted for cargo purposes No Port belonging to _____
 Trade for which vessel is intended FOR GOVERNMENT SERVICE Is Electric Light fitted YES

GINES, &c.—Description of Engines
 No. of Cylinders _____ Length of Stroke _____ No. of Cranks _____ Revs. per minute _____
 Crank shaft, dia. of journals _____ Crank pin dia. HP 1P 10 1/2 Mid. length breadth _____ No. of Cranks _____
 _____ as fitted _____ Crank webs _____ Thickness parallel to axis _____
 _____ as per Rule _____ Mid. length thickness _____ shrunk _____
 _____ as fitted _____ Thickness around eye-hole _____
 Intermediate Shafts, diameter _____ Thrust shaft, diameter at collars _____
 _____ as per Rule _____ as fitted _____
 _____ as fitted _____ Is the { tube } shaft fitted with a continuous liner { _____
 _____ as per Rule _____ as fitted _____ screw }
 _____ as fitted _____ Thickness between bushes _____ Is the after end of the liner made watertight in the _____
 _____ as per Rule _____ 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 fitted _____ 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 _____
 _____ as fitted _____ If so, state type _____ 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 fitted _____ whether Moveable _____ Total Developed Surface _____ sq. feet
 _____ as fitted _____ Diameter _____ Stroke _____ Can one be overhauled while the other is at work _____
 _____ as fitted _____ Diameter _____ Stroke _____ Can one be overhauled while the other is at work _____
 _____ as fitted _____ Pumps connected to the { No. and size _____
 _____ as fitted _____ Main Bilge Line { How driven _____
 _____ as fitted _____ Lubricating Oil Pumps, including Spare Pump, No. and size _____
 _____ as fitted _____ no independent means arranged for circulating water through the Oil Cooler _____
 _____ as fitted _____ Suctions, connected both to Main Bilge Pumps and Auxiliary _____
 _____ as fitted _____ In Holds, &c. _____

Water Circulating Pump Direct Bilge Suctions, No. and size 1 - 9 1/2" Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges, _____
 size 3 - 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 _____ Are they fitted with Valves or Cocks _____
 _____ fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates _____ Are the Overboard Discharges above or below the deep water line _____
 _____ each fitted with a Discharge Valve always accessible on the plating of the vessel _____ Are the Blow Off Cocks fitted with a spigot and brass covering plate _____
 _____ pipes pass through the bunkers _____ How are they protected _____
 _____ pipes pass through the deep tanks _____ Have they been tested as per Rule _____
 _____ pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
 _____ 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 _____
 _____ vent to another _____ Is the Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

BOILERS, &c.—(Letter for record 3) Total Heating Surface of Boilers 7150 SQUARE FT
 Boilers are fitted with Forced Draft BOTH FOR'D + AFT Which Boilers are fitted with Superheaters NONE
 Description of Boilers 2 SCOTCH Working Pressure _____

REPORT ON MAIN BOILERS NOW FORWARDED? _____
DONKEY BOILER FITTED? No If so, is a report now forwarded? _____
 _____ donkey boiler be used for other than domestic purposes _____
 Are approved plans forwarded herewith for Shafting No Main Boilers No Auxiliary Boilers _____ Donkey Boilers _____
 _____ General Pumping Arrangements No Oil fuel Burning Piping Arrangements No
 _____ **SPARE GEAR.** _____
 _____ spare gear required by the Rules been supplied YES
 _____ principal additional spare gear supplied _____

foregoing is a correct description.

Manufacturers.



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Dates of Survey while building {

 During progress of work in shops - - {

 During erection on board vessel - - - {

 Total No. of visits

Dates of Examination of principal parts—Cylinders Slides Covers

 Pistons Piston Rods Connecting rods

 Crank shaft Thrust shaft Intermediate shafts

 Tube shaft Screw shaft Propeller

 Stern tube Engine and boiler seatings Engines holding down bolts

 Completion of fitting sea connections

 Completion of pumping arrangements Boilers fixed Engines tried under steam

 Main boiler safety valves adjusted Thickness of adjusting washers

 Crank shaft material Identification Mark 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

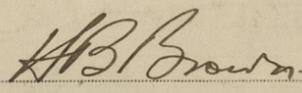
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with

 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.)

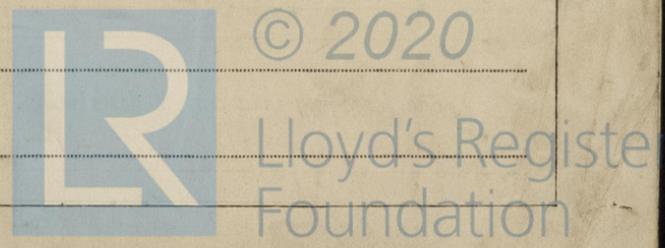
FOR THE COMMITTEE'S INFORMATION

The amount of Entry Fee	... £	:	:	When applied for,
Special	... £	:	:	
Donkey Boiler Fee	... £	:	:	When received,
Travelling Expenses (if any)	£	:	:	


 Engineer Surveyor to Lloyd's Register of Shipping.

Date **GLASGOW** 27 JAN 1953 *RB*

(The Surveyors are requested not to write on or below the space for Committee's Minute.)
 Committee's Minute ACCOMPANYING MACHINERY REPORT



Certificate to be sent to