

RETAIN

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 4 11 1928

Date of writing Report 26-6-1928 When handed in at Local Office 26-6-1928 Port of Glasgow
No. in Survey held at Glasgow Date, First Survey 19-10-27 Last Survey 25-6-1928
Reg. Book. on the new steel S/S "CAPE ST. GEORGE"
Built at Port Glasgow By whom built R. Duncan & Co Ltd Yard No. 382
Engines made at Glasgow By whom made David Rowan & Co Ltd Engine No. 869 when made 1928
Boilers made at Glasgow By whom made David Rowan & Co Ltd Boiler No. 869 when made 1928
Registered Horse Power Owners Sun Shipping Co Ltd Port belonging to London
Nom. Horse Power as per Rule 545 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
Trade for which Vessel is intended General cargo

ENGINES, &c.—Description of Engines Triple expansion Revs. per minute 78
Dia. of Cylinders 26" 44" 73" Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3
Crank shaft, dia. of journals 14 1/8" Crank pin dia. 14 1/2" Crank webs Mid. length breadth 2 1/2" Thickness parallel to axis 8 7/8"
Intermediate Shafts, diameter 13.41" Thrust shaft, diameter at collars 14.08"
Tube Shafts, diameter 13 1/2" Screw Shaft, diameter 15" Is the shaft fitted with a continuous liner yes
Bronze Liners, thickness in way of bushes 7.55" Thickness between bushes 3/4" Is the after end of the liner made watertight in the propeller boss yes
Propeller, dia. 18-0" Pitch 18-0" No. of Blades 4 Material Bronze whether Moveable no Total Developed Surface 108 sq. feet
Feed Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 34" Can one be overhauled while the other is at work yes
Bilge Pumps worked from the Main Engines, No. 2 Diameter 4 1/2" Stroke 34" Can one be overhauled while the other is at work yes
Ballast Pumps, No. and size 1 @ 9 1/2" x 7 1/2" Pumps connected to the Main Bilge Line Ballast pump
Lubricating Oil Pumps, including Spare Pump, No. and size 1 @ 6"
Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 6" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1 @ 4 3/4"
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 hold suction How are they protected under wood casing
What pipes pass through the deep tanks no deep tank Have they been tested as per Rule
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 bridge deck

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers 8001 sq ft
Is Forced Draft fitted yes No. and Description of Boilers three S.E. (3SB) Working Pressure 200
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 no Main Boilers yes Auxiliary Boilers Donkey Boilers
Superheaters General Pumping Arrangements with ship report Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:— In accordance with the Rules and in addition:—
one cast iron propeller, one propeller shaft, one circulating pump rod, one air pump rod, one feed pump plungers.

RETAIN

The foregoing is a correct description,
For David Rowan & Co. Ltd
Arch. W. Grierson Manufacturer.

