

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report Apr 1 1940 When handed in at Local Office Apr 1 1940 Port of New York Received at London Office APR 22 1940
 No. in Survey held at New London & New York Date, First Survey Nov 16 1938 Last Survey Nov 18 1940
 Reg. Book. 4899 on the S/S "TENNESSEAN" (Number of Visits 2) Tons { Gross 6379 Net 4017
 Built at Seattle, Wash By whom built Skinner & Eddy Corp Yard No. _____ When built 1919
 Engines made at Hamilton, Ohio By whom made Ames, Brown, Rutledge Co Engine No. _____ When made 1919
 Boilers made at _____ By whom made _____ Boiler No. _____ When made 1919
 Registered Horse Power _____ Owners Guinness & Co Port belonging to New York
 Nom. Horse Power as per Rule _____ Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes
 Trade for which Vessel is intended _____

ENGINES, &c.—Description of Engines Tuple Expansion Revs. per minute 75
 Dia. of Cylinders 24 3/4 - 41 1/2 - 72" Length of Stroke 48 No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals _____ as per Rule _____ as fitted _____ Crank pin dia. _____ Crank webs _____ Mid. length breadth _____ Thickness parallel to axis _____
 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 _____ Is the { tube } 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 lapped or protected between the liners _____ Is an approved Oil Gland or other appliance fitted at the after end of the tube _____
 Propeller, dia. 16'-6" Pitch 14'-0" No. of Blades 4 Material hemp whether Moveable Yes 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. 1 Diameter 5" Stroke 12" Can one be overhauled while the other is at work _____
 Feed Pumps { No. and size 1-12x8x18" 1-8x12x18" Pumps connected to the { No. and size 1-12x10x12" 1-6x5 1/2 x 6"
 How driven Steam Main Bilge Line How driven Steam
 Ballast Pumps, No. and size 1-12"x10"x12" 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 _____ In Holds, &c. _____

MAIN WATER CIRCULATING PUMP DIRECT BILGE SUCTIONS, No. and size _____ **Independent Power Pump Direct Suctions to the Engine Room Bilges,**
 No. and size 1-12"x10"x12" 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 _____
 Are they 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 Yes
 What Pipes pass through the bunkers _____ How are they protected _____
 What pipes pass through the deep tanks _____ 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
 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 _____ Is the Shaft Tunnel watertight _____ Is it fitted with a watertight door Yes worked from Top of Eng Room

MAIN BOILERS, &c.—(Letter for record _____) Total Heating Surface of Boilers _____
 Are fitted with Forced Draft _____ Which Boilers are fitted with Superheaters _____
 Location of Boilers 3 Multitubular Working Pressure 210 lbs
REPORT ON MAIN BOILERS NOW FORWARDED? No.
KEY BOILER FITTED? No. If so, is a report now forwarded? _____
 _____ for domestic purposes only _____
 _____ forwarded herewith for Shafting _____ Main Boilers Yes Auxiliary Boilers _____ Donkey Boilers _____
 _____ (date of approval) _____ General Pumping Arrangements _____ Oil fuel Burning Piping Arrangements _____
SPARE GEAR.
 _____ applied _____

Manufacturer.



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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 ✓
Intermediate shafts, material ✓	Identification Marks ✓	Tube shaft, material ✓
Screw shaft, material ✓	Identification Mark ✓	Steam Pipes, material ✓
Test pressure ✓	Date of test ✓	

Is an installation fitted for burning oil fuel **Yes** Is the flash point of the oil to be used **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 **Yes** 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 machinery, boiler, & vessel appear to be in good condition, the boiler was not opened for examination and the machinery was not opened for examination.*)

Reports are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £
 Special ... £
 Donkey Boiler Fee ... £
 Travelling Expenses (if any) £

Committee's Minute
 Assigned Transmit to

