

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 March 16th Last Survey March 18th 1940

Reg. Book. 4899 on the S/S "TENNESSEAN" (Number of Visits 2)

Gross Tons 6379 Net Tons 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

Net Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes

Trade for which Vessel is intended

MAKINGES, &c.—Description of Engines Triple 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. 1 Diameter 5" Stroke 12" 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 1-12"x8"x18" 1-8"x12"x18" Pumps connected to the { No. and size 1-12"x10"x12" 1-6"x5 1/2"x6"

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

Pump Room In Holds, &c.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-12"x10"x12" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size

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

That Pipes pass through the bunkers How are they protected

That 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

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 Is the Shaft Tunnel watertight Is it fitted with a watertight door Yes worked from Top of Engine Room

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

Are fitted with Forced Draft Which Boilers are fitted with Superheaters

Position 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?

Is the boiler fitted for domestic purposes only

Is the report forwarded herewith for Shafting Main Boilers Yes Auxiliary Boilers Donkey Boilers

Is the report forwarded herewith for General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.



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
Is an installation fitted for burning oil fuel		Is the flash point of the oil to be used	
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 machine
 used appears to be in good condition, the boiler
 and the machinery was not opened for examination

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

Committee's Minute

Assigned Transmit to

Lloyd's Register
Foundation