

REPORT ON WATER TUBE BOILERS.

No. 27299.

Received at London Office

MAR 1927

Writing Report 27 Feb 1927 When handed in at Local Office 27 Feb 1927 Port of New York

in Survey held at New York Date, First Survey 22 Oct. 1926 Last Survey 25 Feb 1927

on the M/V SAGAMI ex SECUNDUS Number of Visits 3 Tons { Gross 4459 Net 2749

er Built at Hamburg By whom built Blohm + Voos When built 1913

nes made at Hamburg By whom made Blohm + Voos When made 1913

rs made at d By whom made d When made 1913

tered Horse Power 790 Owners Sagami Navigation Co. Inc. Port belonging to New York.

ATER TUBE BOILERS—~~MAIN, AUXILIARY, OR DONKEY.~~—Manufacturers of Steel Krupp

er for Record One Yarrow ✓ Date of Approval of plan ✓ Number and Description or Type ✓

Working Pressure 120 lbs Tested by Hydraulic Pressure to 240 lbs Date of Test ✓

of Certificate Can each boiler be worked separately ✓ Total Heating Surface of Boilers 480 sq ft

reed draught fitted yes Area of fire grate (coal) in each Boiler oil fired Total grate area of boilers in vessel including

and Auxiliary ✓ No. and type of burners (oil) in each boiler one No. and description of safety valves on

boiler 2 spring loaded Area of each valve 3-14 sq in Pressure to which they are adjusted 120 lbs

they fitted with easing gear yes ✓ In case of donkey boilers state whether steam from main boilers can enter the donkey boiler ✓

test distance between boilers or uptakes and bunkers or woodwork ample Height of Boiler ✓ Width and Length ✓

Number in each boiler one Inside diameter 34" ✓ Material of plates steel ✓ Thickness 1" ✓

of Tensile Strength 51500 lbs ✓ Are drum shell plates welded or flanged no Description of riveting:—

seams lap D.R. long. seams lap D.R. ✓ Diameter of rivet holes in long. seams 1 1/8" ✓ Pitch of Rivets 3.94" ✓

of plate or width of butt straps 5.3" ✓ Thickness of straps ✓ Percentage strength of long. joint:—Plate 72 Rivet 40

eter of tube holes in drum 1 3/4" ✓ Pitch of tube holes 3.2" ✓ Percentage strength of shell in way of tubes 55

drum has a flat side state method of staying ✓ Depth and thickness of girders at centre ✓

tted) Distance apart ✓ Number and pitch of stays in each ✓ Working pressure 280 lbs ✓

les 280 lbs ✓ Steam Drum Heads or Ends:—Material steel ✓ Thickness .79 ✓ Radius or how stayed 34" ✓

of Manhole or Handhole 12"x16" ✓ Water Drums:—Number in each boiler 2 ✓ Inside Diameter 24" ✓

rial of plates steel ✓ Thickness 1" ✓ Range of tensile strength 51500 ✓ Are drum shell plates welded

anged. no ✓ Description of riveting:—Cir. seams lap D.R. ✓ long. seams lap D.R. ✓ Diameter of Rivet Holes in

seams 1 1/8" ✓ Pitch of rivets 3.94" ✓ Lap of plates or width of butt straps 5.3" ✓ Thickness of straps ✓

centage strength of long. joint:—Plate 72 Rivet 40 Diameter of tube holes in drum 1 3/4" ✓ Pitch of tube holes 3.2" ✓

centage strength of drum shell in way of tubes 55 Water Drum Heads or Ends:—Material steel ✓ Thickness 1" ✓

us or how stayed flat ✓ Size of manhole or handhole 12"x16" ✓ Headers or Sections:—Number ✓

rial ✓ Thickness ✓ Tested by Hydraulic Pressure to ✓ Material of Stays ✓

at smallest part ✓ Area supported by each stay ✓ Working Pressure by Rules ✓ Tubes:—Diameter 1 3/4" ✓

tness 138 x 154 ✓ Number 248 Steam Dome or Collector:—Description of Joint to Shell flanged to shell ✓

centage strength of Joint 51 Diameter 16 1/4" ✓ Thickness of shell plates 1/2" ✓ Material steel ✓

ription of longitudinal joint lap single ✓ Diameter of Rivet Holes 1 1/8" ✓ Pitch of Rivets 2.2 Working Pressure of shell

ules 350 Crown or End Plates:—Material steel ✓ Thickness 9/16" ✓ How stayed Diaphragm 16" radius

UPERHEATER. Type ✓ Date of Approval of Plan ✓ Tested by Hydraulic Pressure to ✓

of Test ✓ Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler ✓

eter of Safety Valve ✓ Pressure to which each is adjusted ✓ Is easing gear fitted ✓

rain cock or valve fitted at lowest point of superheater ✓ Number, diameter, and thickness of tubes ✓

re Gear. Tubes ✓ Gaskets or joints:—Manhole ✓ Handhole ✓ Handhole plates ✓

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - - - Is the approved plan of boiler forwarded herewith Yes
During erection on board vessel - - - Total No. of visits 3

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

Water tube donkey boiler has been examined, found good, tested to 240 lbs + found good, & its safety valves afterwards adjusted under steam. It is now in good + safe working condition eligible, in our opinion to receive the notation W.T.D.B 120 lbs in the Register of D.B.S. 10.26

Survey Fee £ Included When applied for, 19
Travelling Expenses (if any) £ in : : When received, 19
Hull Fee

For Geo. R. Richardson + self

John S. Heck

Engineer Surveyor to Lloyd's Register of Shipping.

NEW YORK MAR - 2 1927

Committee's Minute
Signed D.B.S. 10.26

TUES. 29 NOV 1927

Lloyd's Register Foundation

D.B.
Pressure - 120 lbs sq in

W238-0203