

REPORT ON WATER TUBE BOILERS.

No. 27299.

Received at London Office

12 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

Bk. on the m/v SAGAMI ex SECUNDUS Number of Visits 3 Gross 4459 Tons Net 2749

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

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

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

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

Boilers One Yarrow ✓ 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 1/4 sq ft 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

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

e 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

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

of Manhole or Handhole 12" x 16" ✓ 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 ✓

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

entage 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" x 16" ✓ 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 ✓

entage 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 5/16" Pitch of Rivets 2.2 Working Pressure of shell

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

ERHEATER. 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.

tes } During progress of } Is the approved plan of boiler forwarded herewith Yes

rrey } work in shops - - }

le } During erection on } 1926-Oct. 22.-1927-Jan. 19. Feb. 25.

ing } board vessel - - - }

Total No. of visits

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

ty 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

ok + 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

D.B.

Pressure 120 lbs sq"

TUES. 29 NOV 1927

Lloyd's Register
Foundation

W238-0203