

00 lbs.

Rpt. 5c.

REPORT ON WATER TUBE BOILERS

DONKEY

No. 9371

Received at London Office

7 JUN 1949

Report of writing Report. 2nd Feb. 1949 When handed in at Local Office.

Port of San Francisco and Seattle

No. in Survey held at Portland, Oregon

Date, First Survey 17th June 1948 Last Survey 30th January 1949

Boiler No. 1.25" x .75" M.V. "NELLY" ex "Long Island" ex "Mormacmail"

(Number of Visits 6) Gross 7886 Tons Net 4682

Boiler made at Chester, Pa.

By whom built Sun S.B. & D.D. Co.

When built 1940

Boiler made at St. Louis, Mo.

By whom made Busch Sulzer Bros. Diesel Eng. Co.

When made 1940

Boiler made at New York

By whom made Foster Wheeler Corp.

When made 1940

Boiler made at 2060

Owners Carribbean Land & Shipping Corp.

Port belonging to Panama

WATER TUBE BOILERS - ~~MANUFACTURED BY~~ DONKEY - Manufacturers of Steel Bethlehem Steel Co.

Boiler No. 1.25" x .75" Approved by the American Bureau of Shipping & built under their inspection

Boiler No. 1 - single drum water tube Working Pressure 100 lbs. Tested by Hydraulic Pressure to 150 lbs. Date of Test 27 Aug 48

Boiler No. 1.25" x .75" Can each boiler be worked separately - Total Heating Surface of Boiler 3600 sq.ft.

Boiler No. 1.25" x .75" forced draught fitted Yes Area of fire grate (coal) in each Boiler -

Boiler No. 1.25" x .75" and type of burners (oil) in each boiler One (boiler also fired by exhaust from 4 main engines)

Boiler No. 1.25" x .75" 2 spring loaded Area of each set of valves per boiler { per rule 14 sq.ins. Pressure to which they

Boiler No. 1.25" x .75" adjusted 100 lbs. per sq. in. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

Boiler No. 1.25" x .75" donkey boiler - Smallest distance between boilers or uptakes and bunkers or woodwork none near Height of boiler 13'-6"

Boiler No. 1.25" x .75" width and Length 10'-10" - 17'-10" Steam Drums: Number in each boiler one Inside diameter 36 ins.

Boiler No. 1.25" x .75" thickness of plates 23/32" Tensile Strength 65,000 lbs. Are drum shell plates welded

Boiler No. 1.25" x .75" flanged welded If fusion welded, state name of welding firm makers of boiler Have all the requirements of the rules

Boiler No. 1.25" x .75" Class I vessels been complied with Made to American Bureau of Shipping requirements Description of riveting: Cir. seams long. seams

Boiler No. 1.25" x .75" diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

Boiler No. 1.25" x .75" g. joint: Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Boiler No. 1.25" x .75" percentage strength of shell in way of tubes - Steam Drum Heads or Ends: Range of tensile strength 65,000

Boiler No. 1.25" x .75" thickness of plates 13/16" Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16" Water Drums: Number

Boiler No. 1.25" x .75" each boiler none Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates

Boiler No. 1.25" x .75" welded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

Boiler No. 1.25" x .75" Class I vessels been complied with - Description of riveting: Cir. seams long. seam -

Boiler No. 1.25" x .75" diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -

Boiler No. 1.25" x .75" percentage strength of long. joint: Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Boiler No. 1.25" x .75" percentage strength of drum shell in way of tubes - Water Drum Heads or Ends: Range of Tensile strength -

Boiler No. 1.25" x .75" thickness of plates - Radius or how stayed - Size of manhole or handhole -

Boiler No. 1.25" x .75" leaders or Sections: Number - Material - Thickness - Tested by Hydraulic Pressure to -

Boiler No. 1.25" x .75" plates: Diameter Oil fired 2" & 4" Thickness - Number - Steam Dome or Collector: Description of

Boiler No. 1.25" x .75" nt to Shell Exhaust fired 2" Inside diameter - Thickness of shell plates - Range of tensile

Boiler No. 1.25" x .75" length - Description of longitudinal joint - If fusion welded, state name of welding

Boiler No. 1.25" x .75" Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -

Boiler No. 1.25" x .75" g. joint: Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Boiler No. 1.25" x .75" thickness of straps - Percentage strength of long. joint - Plate - Rivet -

Boiler No. 1.25" x .75" own or End Plates: Range of tensile strength - Thickness - Radius or how stayed -

Boiler No. 1.25" x .75" SUPERHEATER. Drums or Headers: Number in each boiler None Inside Diameter -

Boiler No. 1.25" x .75" thickness - Material - Range of tensile strength - Are drum shell plates welded

Boiler No. 1.25" x .75" flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

Boiler No. 1.25" x .75" Class I vessels been complied with - Description of riveting: Cir. seams long. seams -

Boiler No. 1.25" x .75" diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

Boiler No. 1.25" x .75" g. joint: Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

Boiler No. 1.25" x .75" m shell in way of tubes - Drum Heads or Ends: Thickness - Range of tensile strength -

Boiler No. 1.25" x .75" dius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

Boiler No. 1.25" x .75" tested by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which

Boiler No. 1.25" x .75" be shut off from the boiler - No. and description of Safety Valves - Area of each set

Boiler No. 1.25" x .75" valves - Pressure to which they are adjusted - Is easing gear fitted -

Boiler No. 1.25" x .75" are Gear. Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith.

Total No. of visits

this boiler a duplicate of a previous case. If so, state vessel's name and report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This donkey boiler has been examined throughout as detailed on accompanying Rept. 9. The workmanship and materials used are good and the boiler, in our opinion, merits the favorable consideration of the Committee for Classification with Lloyd's Register of Shipping.

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

Committee's Minute

NEW YORK MAY 18 1949

Assigned W T D B (100 LBS)

Engineer Surveyor to Lloyd's Register of Shipping

012796-012800-0056