

00 lbs. Rpt. 5c.

REPORT ON WATER TUBE BOILERS

DONKEY

No. 9371

Received at London Office

7 JUN 1949

Date of writing Report 2nd Feb. 1949 When handed in at Local Office 19

Port of San Francisco and Seattle

No. in Survey held at Portland, Oregon

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

Name of vessel M.V. "NELLY" ex "Long Island" ex "Mormacmail"

(Number of Visits 6) Gross 7886 Tons Net 4682

Place of origin Chester, Pa.

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

When built 1940

Boilers made at St. Louis, Mo.

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

When made 1940

Boilers made at New York

By whom made Foster Wheeler Corp.

When made 1940

Indicated Horse Power 2060

Owners Carribbean Land & Shipping Corp.

Port belonging to Panama

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

Plan of Approval of plan Approved by the American Bureau of Shipping & built under their inspection

Boiler one - single drum water tube Working Pressure 100 lbs. Tested by Hydraulic Pressure to 150 lbs. Date of Test 27 Aug 48

of Certificate - Can each boiler be worked separately - Total Heating Surface of Boiler exhaust fired 3600 sq.ft.

forced draught fitted Yes Area of fire grate (coal) in each Boiler -

and type of burners (oil) in each boiler One (boiler also fired by exhaust from 4 main engines)

boiler 2 spring loaded Area of each set of valves per boiler { per rule as fitted 14 sq.ins. Pressure to which they

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

donkey boiler - Smallest distance between boilers or uptakes and bunkers or woodwork none near Height of boiler 13'-6"

Width and Length 10'-10" - 17'-10" Steam Drums: - Number in each boiler one Inside diameter 36 ins.

Thickness of plates 23/32" Tensile Strength 65,000 lbs. Are drum shell plates welded

flanged welded If fusion welded, state name of welding firm makers of boiler Have all the requirements of the rules

Class I vessels been complied with Made to American Bureau of Shipping requirements Description of riveting: - Cir. seams - long seams -

diameter of rivet holes in long seams - Pitch of rivets - Thickness of straps - Percentage strength of

long joint: - Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Percentage strength of shell in way of tubes - Steam Drum Heads or Ends: - Range of tensile strength 65,000

Thickness of plates 13/16" Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16" Water Drums: - Number

each boiler none Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates

welded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

Class I vessels been complied with - Description of riveting: - Cir. seams - long seam -

diameter of rivet holes in long seams - Pitch of rivets - Thickness of straps -

Percentage strength of long joint: - Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Percentage strength of drum shell in way of tubes - Water Drum Heads or Ends: - Range of Tensile strength -

Thickness of plates - Radius or how stayed - Size of manhole or handhole -

adapters or Sections: - Number - Material - Thickness - Tested by Hydraulic Pressure to -

bores: - Diameter Oil fired 2" & 4" Thickness - Number - Steam Dome or Collector: - Description of

joint to Shell - Exhaust fired 2" Inside diameter - Thickness of shell plates - Range of tensile

strength - Description of longitudinal joint - If fusion welded, state name of welding

Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -

Thickness of straps - Percentage strength of long joint - Plate - Rivet

own or End Plates: - Range of tensile strength - Thickness - Radius or how stayed

UPERHEATER. Drums or Headers: - Number in each boiler None Inside Diameter

Thickness - Material - Range of tensile strength - Are drum shell plates welded

flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

Class I vessels been complied with - Description of riveting: - Cir. seams - long seams -

diameter of rivet holes in long seams - Pitch of rivets - Thickness of straps - Percentage strength of

long joint: - Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

drum shell in way of tubes - Drum Heads or Ends: - Thickness - Range of tensile strength -

Radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

Tested by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which

be shut off from the boiler - No. and description of Safety Valves - Area of each set

valves - Pressure to which they are adjusted - Is easing gear fitted

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

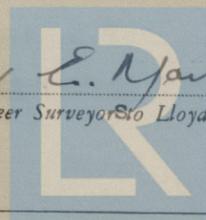
Is this boiler a duplicate of a previous case. If so, state vessel's name and report No.

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
Assigned W T D B (100 LBS)
NEW YORK MAY 18 1949

James F Robertson E. Marlborough
Engineer Surveyors to Lloyd's Register of Shipping



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