

REPORT ON WATER TUBE BOILERS

LOW PRESSURE STEAM GENERATOR

No. N.Y.K. 52405.

Received at London Office

20th 1953 When handled in at Local Office 19 Port of NEW YORK, QUINCY, MASSACHUSETTS. Date, First Survey March 9th. 1953 Last Survey April 9th. 1953.

Hall 595. (Number of Visits cont;) Tons Gross Net

By whom built DAVIEY Shipbuilding & Repair Co; When built

By whom made When made

By whom made When made

Owners Port belonging to

ERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem Steel Co;

February 29th. 1952. Number and Description or Type

Steam Generator. Working Pressure 125 lbs. Tested by Hydraulic Pressure to 300 lbs. Date of Test Mar. 13th. 1953.

Can each boiler be worked separately one only Total Heating Surface of Boilers 355 sq; ft; L.P. Steam Gen; Unfired.

Area of fire grate (coal) in each Boiler No. and description of safety valves on

inch angle relief valves. Area of each set of valves per boiler { per rule as fitted 25.12 sq; ins; Pressure to which they

Are they fitted with easing gear yes. In case of donkey boilers state whether steam from main boilers can enter

Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler

Steam Drums: Number in each boiler one Inside diameter 4'-5"

Range of Tensile Strength 55000 to 65000 lbs. Are drum shell plates welded

If fusion welded, state name of welding firm Bethlehem Steel Co; Have all the requirements of the rules

Applied with yes Description of riveting: Cir. seams long. seams

Percentage strength of Rivet Diameter of tube holes in drum Pitch of tube holes

Steam Drum Heads or Ends: Range of tensile strength

Radius or how stayed 48" radius Size of manhole or handhole 16" x 12" Water Drums: Number

Inside Diameter Thickness of plates Range of tensile strength Are drum shell plates

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

Applied with Description of riveting: Cir. seams long. seam

Percentage strength of Rivet Diameter of tube holes in drum Pitch of tube holes

Water Drum Heads or Ends: Range of Tensile strength

Radius or how stayed Size of manhole or handhole

Tested by Hydraulic Pressure to

Number Material Thickness Steam Dome or Collector: Description of

inch outside dia. 0.072" Number 0.5 tube plate 2 1/8" Range of tensile

Tube plate Inside diameter 2'-5 1/2" Thickness of shell plate 1.5 tube plate 2" If fusion welded, state name of welding

65,000 lbs. Description of longitudinal joint Diameter of rivet holes

Have all the requirements of the rules for Class I vessels been complied with Plate Rivet

Thickness of straps Percentage strength of long. joint Radius or how stayed

Range of tensile strength Thickness Inside Diameter

R. Drums or Headers: Number in each boiler Are drum shell plates welded

Material Range of tensile strength Have all the requirements of the rules

If fusion welded, state name of welding firm long. seams

Applied with Description of riveting: Cir. seams Percentage strength of

long. seams Pitch of rivets Thickness of straps Percentage strength of

Rivet Diameter of tube holes in drum Pitch of tube holes Range of tensile strength

Drum Heads or Ends: Thickness Number, diameter, and thickness of tubes

Size of manhole or handhole Is a safety valve fitted to each section of the superheater which

Date of Test Area of each set

No. and description of Safety Valves Is easing gear fitted

Pressure to which they are adjusted

the spare gear required by the rules been supplied

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith No;

Total No. of visits

of a previous case yes If so, state vessel's name and report No. N.Y.K. 52229 s/s CHRYSSI

MARKS (State quality of workmanship, opinions as to class, &c.) This L.P. Steam Generator is a horizontal two

unit with submerged tube heating surface, shell, heads, tube plates & baffles of steel

nickel, tube nest heads of cast steel. Unit built under special survey to approved plans

materials, good throughout. Examined under hydraulic test in shop & found satisfactory.

When applied for, 19

When received, 19

FRIDAY 11 JUN 1954

W. P. Holmes

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register

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