

LOW PRESSURE STEAM GENERATOR

REPORT ON WATER TUBE BOILERS

No. N.YK-52405.

Received at London Office

20th 19⁵³ When handled in at Local Office 19 53 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 DAVEY Shipbuilding & Repair Co; When built _____

By whom made _____ When made _____

By whom made _____ When made _____

Owners _____ Port belonging to _____

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

Date of Survey February 29th, 1952. Number and Description or Type _____
 Date of Test Mar; 13th, 53.

Working Pressure 125 lbs. Tested by Hydraulic Pressure to 300 lbs. sq; in.

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 _____ Pressure to which they _____
 as fitted 25.12 sq; ins; ✓

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 _____
& 11'-9" 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 _____ Thickness of straps _____

Pitch of rivets _____ Diameter of tube holes in drum _____ Pitch of tube holes _____

Rivet _____ Steam Drum Heads or Ends:—Range of tensile strength _____

in way of tubes _____ 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 _____

long. seams _____ Pitch of rivets _____ Thickness of straps _____

g. joint:—Plate _____ 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 _____

Number _____ Material _____ Thickness _____ Tested by Hydraulic Pressure to _____

inch outside dia: 0.072" ✓ Number _____ Steam Dome or Collector:—Description of _____

Tube plate 3'-27/8" ✓ Thickness of shell plate 0.5 s. tube plate 2 1/8" ✓ Range of tensile _____

Tube plate 65,000 lbs. ✓ Inside diameter 2'-59/16" ✓ Thickness of shell plate 1.5 s. tube plate 2" ✓

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 _____

Range of tensile strength _____ Thickness _____ Radius or how stayed _____

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 _____

Complied 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 _____ Percentage strength of _____

Drum Heads or Ends:—Thickness _____ Range of tensile strength _____

Size of manhole or handhole _____ Number, diameter, and thickness of tubes _____

Is a safety valve fitted to each section of the superheater which _____ Area of each set _____

Date of Test _____ 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,

[Signature] 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.Yk; 52229 s/s CHRYSSE

REMARKS (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

minute _____

See Rpt. 4a

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping.