

REPORT ON WATER TUBE BOILERS.

No. 8454

Received at London Office 19 MAY 1947

Writing Report 17th April, 1947. When handed in at Local Office 22nd April, 1947. Port of Baltimore, Maryland

Survey held at Baltimore, Maryland Date, First Survey February 12th, Last Survey February 21st, 1947

on the S.S. "ACTOR" (ex "Thomas Sully") (Number of Visits 5) (Gross 7225 Net 4389)

Jacksonville, Florida By whom built St. John's River S.B. Company When built 1943

made at Hamilton, Ohio By whom made General Machinery Corporation When made 1943

made at New York By whom made Combustion Engineering Company When made 1943

Horse Power 644.8 Owners Neptune Shipping Company Port belonging to Panama, R. P.

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

Approval of plan - Working Pressure 240 lbs. Tested by Hydraulic Pressure to 375 lbs. Date of Test 9-20-45

Boilers 2 W.T. Cross drums Total Heating Surface of Boilers 9704 square feet

Can each boiler be worked separately Yes Total Heating Surface of Boilers 9704 square feet

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

One Twin Consolidated 4" Area of each set of valves per boiler {per rule 22.9 square inches as fitted 25.12 square inches + 1.76 sq ft.

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 16' f f 8"

Steam Drums:—Number in each boiler One Inside diameter 48 4 3/8" or plus

Range of Tensile Strength 70,000 - 82,000 Are drum shell plates welded

Combustion Engineering Co., New York Have all the requirements of the rules

Percentage strength of

41/64 4 6/16" Pitch of tube holes 7" ✓

Steam Drum Heads or Ends:—Range of tensile strength 60,000 - 70,000

Water Drums:—Number

Header Thickness of plates 3/4" Range of tensile strength 60,000-70,000 Are drum shell plates

Header Diameter of tube holes in header 4 1/32" ✓ Pitch of tube holes 7" ✓

Water Drum Heads or Ends:—Range of Tensile strength

Size of manhole or handhole

Tested by Hydraulic Pressure to 375 lbs.

Steam Dome or Collector:—Description of

Range of tensile

If fusion welded, state name of welding

Diameter of rivet holes

Plate Rivet

Radius or how stayed

End Plates:—Range of tensile strength

Thicknes

Percentage strength of long. Joint

Radius or how stayed

Drums or Headers:—Number in each boiler Two ✓ Inside Diameter 6" square

Material Steel ✓ Range of tensile strength 60,000 - 70,000 Are drum shell plates welded

Have all the requirements of the rules

long. seams

Percentage strength of

2 1/64 ✓ Pitch of tube holes 3 3/4 ✓ Percentage strength of

Range of tensile strength

Number, diameter, and thickness of tubes 22 - 2" 10 B.W.G.

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

Area of each set

One - high lift

Is easing gear fitted No ✓

Pressure to which they are adjusted 230 lbs. ✓

Has the spare gear required by the rules been supplied No (Valve lid for main feed check valve still to supply)

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - Is the approved plan of boiler forwarded herewith

During erection on board vessel - Total No. of visits

a duplicate of a previous case Yes If so, state vessel's name and report No. "CERLATROS" Balt. Rpt. No. 8437

REMARKS (State quality of workmanship, opinions as to class, &c.) The two W.T. boilers described above have, together mountings been opened up, examined throughout, placed in order and again examined under steam and the safety

adjusted. It is the opinion of the undersigned that the workmanship is good, the boilers well installed and to be classed with this Society with a record of BS 2-47.

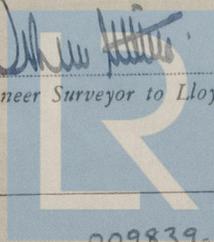
When applied for, 24 April 19 47

When received, - 19

NEW YORK APR 30 1947

Engineer Surveyor to Lloyd's Register of Shipping.

2 W.T.B (SPT) - 240 lbs.



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009839-009847-0264