pt. 5c.

REPORT ON ~~WATER TUBE BOILERS.~~ Air storage tank

No. 7272

Received at London Office MAY 10 1937

...te of writing Report 14th April, 1937. When handed in at Local Office 15th April, 1937. Port of Philadelphia

No. in Reg. Bk. Survey held at Chester Pa Date, First Survey Feb 10th Last Survey March 4th 1937

on the SS MV. TEXAS. SUN (Number of Visits 4) Tons { Gross Net

...aster Built at Chester Pa By whom built Sun SB & DD Co When built 1937

...ngines made at Chester Pa By whom made Sun SB & DD Co When made "

~~...oilers~~ tank made at " By whom made " " When made "

...gistered Horse Power 5600 Owners Sun Oil Co Port belonging to Philadelphia

~~WATER TUBE BOILERS MAIN, AUXILIARY, OR DONKEY.~~ Air storage tank —Manufacturers of Steel Lukens Steel Co

...etter for Record) Date of Approval of plan Nov 18th 1936 Number and Description or Type

~~Boilers~~ 1 air storage tank ✓ Working Pressure 600 ✓ Tested by Hydraulic Pressure to 1300 ✓ Date of Test March 4. 1937 ✓

...o. of Certificate 696 Can each boiler be worked separately – Total ~~Heating Surface of Boilers~~ Cubic capacity 12 cubic ft ✓

...forced draught fitted – Area of fire grate (coal) in each Boiler – Total grate area of boilers in vessel including

...ain and Auxiliary – No. and type of burners (oil) in each boiler – No. and description of safety valves on

...ch ~~boiler~~ tank 1 Spring loaded. ✓ Area of each valve .7854 □" ✓ Pressure to which they are adjusted 700 lbs. ✓

...re they fitted with easing gear Yes ✓ In case of donkey boilers state whether steam from main boilers can enter the donkey boiler

...nallest distance between boilers or uptakes and bunkers or woodwork – ✓ Height of Boiler – Width and Length –

~~...eam~~ Drums:—Number in each ~~boiler~~ tank 1 Inside diameter 15" ✓ Material of plates Steel ✓ Thickness 1/2" ✓

...nge of Tensile Strength 55000 to 65000 ✓ Are drum shell plates welded or flanged Solid drawn ✓ Description of riveting:—

...r. seams Fusion Welded ✓ long. seams Solid drawn ✓ Diameter of rivet holes in long. seams – Pitch of Rivets –

...p of plate or width of butt straps – Thickness of straps – Percentage strength of long. joint:—Plate – Rivet –

...ameter of tube holes in drum – Pitch of tube holes – Percentage strength of shell in way of tubes –

... Drum has a flat side state method of staying – Depth and thickness of girders at centre

...fitted) – Distance apart – Number and pitch of stays in each – Working pressure

...rules – ~~Steam~~ Drum Heads ~~or Ends~~:—Material Steel ✓ Thickness 5/8" ✓ Radius or how stayed 13" radius ✓

...e of Manhole or Handhole – Water Drums:—Number in each boiler – Inside Diameter –

...terial of plates – Thickness – Range of tensile strength – Are drum shell plates welded

...flanged – Description of riveting:—Cir. seams – long. seams – Diameter of Rivet Holes in

...g. seams – Pitch of rivets – Lap of plates or width of butt straps – Thickness of straps –

...rcentage strength of long. joint:—Plate – Rivet – Diameter of tube holes in drum – Pitch of tube holes –

...rcentage strength of drum shell in way of tubes – Water Drum Heads or Ends:—Material – Thickness –

...dius or how stayed – Size of manhole or handhole – Headers or Sections:—Number –

...terial – Thickness – Tested by Hydraulic Pressure to – Material of Stays –

...ea at smallest part – Area supported by each stay – Working Pressure by Rules – Tubes:—Diameter –

...ickness – Number – Steam Dome or Collector:—Description of Joint to Shell –

...rcentage strength of Joint – Diameter – Thickness of shell plates – Material –

...scription of longitudinal joint – Diameter of Rivet Holes – Pitch of Rivets – Working Pressure of shell

...Rules – Crown or End Plates:—Material – Thickness – How stayed –

...PERHEATER. Type – Date of Approval of Plan – Tested by Hydraulic Pressure to –

...te of Test – Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler –

...meter of Safety Valve – Pressure to which each is adjusted – Is easing gear fitted –

... drain cock or valve fitted at lowest point of superheater – Number, diameter, and thickness of tubes –

...are Gear. Tubes – Gaskets or joints:—Manhole – Handhole – Handhole plates –

The foregoing is a correct description,
W. M. Conechy
SUN SHIPBUILDING & DRY DOCK CO. Manufacturer.

...ates Survey while ...lding { During progress of work in shops Feb 10. 24. 26. March 1.2.4 1937. Is the approved plan of ~~boiler~~ tank forwarded herewith Yes.

During erection on board vessel March 16th 1937 Total No. of visits 7

...NERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This tank has been constructed under Special ...y, and in accordance with the approved plans, the workmanship & materials are good. After welding was completed, the tank was stress relieved. see separate report on welding. The ... was tested by rising the pressure 900 lbs, and beating with a 7 lbs. hammer, the pressure then increased to 1300 lbs & found satisfactory. The tank has now been satisfactorily installed on board the vessel.

Survey Fee ... ... $30.00 : } When applied for, 20th April 1937.
Travelling Expenses (if any) $5.00 : } When received, 10.6 1937 28/6

W. H. Rinham
Engineer Surveyor to Lloyd's Register of Shipping.

NEW YORK APR 28 1937

...mittee's Minute

...igned See First Entry Rpt. on Oil Eng.

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