

REPORT ON ~~WATER TUBE~~ ^{Air storage tank} BOILERS.

No. 7272

Received at London Office

MAY 10 1937

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

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

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

 Master Chester Pa Built at Chester Pa By whom built Emm FRB & DD Co When built 1937

 Engines made at Chester Pa By whom made Emm FRB & DD Co When made "

 Boilers made at " By whom made " When made "

 Registered Horse Power 5600 Owners Emm Gil Co Port belonging to Philadelphia
~~WATER TUBE BOILERS~~ ^{Air storage tank} MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel Lukens Steel Co

 Letter 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 1200 Date of Test March 4th 1937

 No. of Certificate 6968 Can each boiler be worked separately Total Heating Surface of Boilers 12 cubic ft

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

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

 Each boiler 1 Spring loaded Area of each valve 7834" Pressure to which they are adjusted 700 lbs.

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

 Smallest distance between boilers or uptakes and bunkers or woodwork Height of Boiler Width and Length

 Steam Drums:—Number in each boiler 1 Inside diameter 15" Material of plates Steel Thickness 1/2"

 Range of Tensile Strength 55000 to 65000 Are drum shell plates welded or flanged Solid drum Description of riveting:—

 Long. seams Fusion Welded long. seams Solid drum Diameter of rivet holes in long. seams Pitch of Rivets

 Up of plate or width of butt straps 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

 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

 Material of plates Water Drums:—Number in each boiler Inside Diameter

 Flanged Thickness Range of tensile strength Are drum shell plates welded

 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

 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:—Material Thickness

 Radius or how stayed Size of manhole or handhole Headers or Sections:—Number

 Material Thickness Tested by Hydraulic Pressure to Material of Stays

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

 Thickness Number Steam Dome or Collector:—Description of Joint to Shell

 Percentage strength of joint Diameter Thickness of shell plates Material

 Description of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

 Rules Crown or End Plates:—Material Thickness How stayed

 SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

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

 Diameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted

 Is 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. C. Coneship
 SUN SHIPBUILDING & DRY DOCK CO. Manufacturer.

 Dates { During progress of Feb 10th 24th March 1st 2nd 4th 1937 Is the approved plan of tanks forwarded herewith Yes

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

 { board vessel

 GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This tank has been constructed 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 tank was tested by rising the pressure 900 lbs, and beating with a 7 lb. hammer, the pressure then increased to 1200 lbs found satisfactory. The tank has now been satisfactorily installed on board the vessel.

 Survey Fee \$ 30 00 : When applied for, 20th April 1937

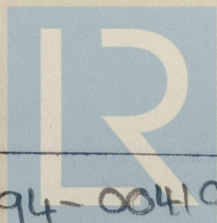
 Travelling Expenses (if any) \$ 5 00 : When received, 10th April 1937

 Committee's Minute

 Signed See First Entry Rpt. on Oil Eng.

Engineer Surveyor to Lloyd's Register of Shipping.

NEW YORK APR 28 1937



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