

# REPORT ON WATER TUBE BOILERS.

No. 4335

Received at London Office 8-MAR-1949

Report made on 4th. March, 1949 When handed in at Local Office 4 March 1949 Port of NAPLES.  
 Survey held at Palermo Date, First Survey 10th. January, Last Survey 20th. Febry 1949  
 on the s.s. "CLEVELAND" (ex "Forbes Road") (Number of Visits 7) Tons { Gross 10667 Net 6313.89  
 Portland Or. By whom built Kaiser Co. Inc. When built July, 1944  
 made at Lynn Mass By whom made General Electric Co. When made 1944  
 made at St Louis Mo. By whom made Combustion Eng. Co. Inc. When made 1944  
 Horse Power 1324 Owners Cleveland Petroleum Co. Ltd. Port belonging to London

R TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem and Worth Steel Co.

Approval of plan ✓ Number and Description or Type  
 s Two Straight tube Cross drum Working Pressure 500 lbs Tested by Hydraulic Pressure to 1000 lbs Date of Test 2/8/44  
 certificate SL 330-331 Can each boiler be worked separately yes ✓ Total Heating Surface of Boilers 11354 ✓  
 draught fitted yes ✓ Area of fire grate (coal) in each Boiler 0.F.  
 type of burners (oil) in each boiler 4 TODD HEXPRESS No. and description of safety valves on  
 two ✓ Area of each set of valves per boiler { per rule 7.00 sq." as fitted 9.81+1.77 Spt. Pressure to which they  
 (525 lbs. sq. Are they fitted with easing gear yes ✓ In case of donkey boilers state whether steam from main boilers can enter  
 y boiler = Smallest distance between boilers or uptakes and bunkers or woodwork = Height of boiler 17' 6.1/4"  
 d Length 11' 10" - 17' 3.1/4" Steam Drums:—Number in each boiler 1 Inside diameter 42 ins. and 41.37/64"  
 of plates 1.19/32" and 3/4" ✓ Range of Tensile Strength 70.000 Min. Are drum shell plates welded  
 welded If fusion welded, state name of welding firm General Electric Co. Have all the requirements of the rules  
 I vessels been complied with yes A.B. Description of riveting:—Cir. seams long. seams =  
 of rivet holes in long. seams = Pitch of rivets = Thickness of straps = Percentage strength of  
 :—Plate Rivet Diameter of tube holes in drum Pitch of tube holes  
 re strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength 70.000 Min.  
 of plates 1.1/4" ✓ Radius or how stayed Ellipsoidal Size of manhole or handhole 12" x 16" ✓ Water Drums:—Number  
 ilder = Inside Diameter = Thickness of plates = Range of tensile strength = Are drum shell plates  
 flanged = If fusion welded, state name of welding firm = Have all the requirements of the rules  
 I vessels been complied with = Description of riveting:—Cir. seams = long. seam =  
 of rivet holes in long. seams = Pitch of rivets = Thickness of straps =  
 re strength of long. joint:—Plate = Rivet = Diameter of tube holes in drum = Pitch of tube holes =  
 re strength of drum shell in way of tubes = Water Drum Heads or Ends:—Range of Tensile strength =  
 of plates = Radius or how stayed = Size of manhole or handhole =  
 ce or Sections:—Number 14 ✓ Material steel Thickness 9/16" 3/4" Tested by Hydraulic Pressure to 1000 lbs  
 Diameter 1.1/4" 2" 4" Thickness 13/10.5 or 6 BWG Number 1148.56. 88. Steam Dome or Collector:—Description of  
 Shell = Inside diameter = Thickness of shell plates = Range of tensile  
 ver = 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 =  
 rivets = Thickness of straps = Percentage strength of long. Joint = Plate Rivet =  
 four End Plates:—Range of tensile strength = Thickness = Radius or how stayed ✓  
 RHEATER. Drums or Headers:—Number in each boiler Two ✓ Inside Diameter 7.1/4 external  
 s 3/4" ✓ Material O.H. steel Range of tensile strength 55.000 Min Are drum shell plates welded  
 ifion = If fusion welded, state name of welding firm = Have all the requirements of the rules  
 I vessels been complied with = Description of riveting:—Cir. seams = long. seams =  
 of rivet holes in long. seams = Pitch of rivets = Thickness of straps = Percentage strength of  
 t:—Plate = Rivet = Diameter of tube holes in drum ✓ 1.1/4" Pitch of tube holes = Percentage strength of  
 ll in way of tubes = Drum Heads or Ends:— = Thickness = Range of tensile strength =  
 r how stayed = Size of manhole or handhole = Number, diameter, and thickness of tubes =  
 Hydraulic Pressure to = Date of Test = Is a safety valve fitted to each section of the superheater which  
 out off from the boiler cannot be shut off No. and description of Safety Valves 1. 1.1/2" ✓ single high lift Area of each set  
 1.767 sq." ✓ Pressure to which they are adjusted 473 lbs ✓ Is easing gear fitted yes ✓  
 Gear. Has the spare gear required by the rules been supplied =

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 Seven

Under a duplicate of a previous case T2 Tanker If so, state vessel's name and report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
 W.T. Boilers and Superheaters have been built under supervision of the U.S. Coast-guard  
 the American Bureau of Shipping. The scantlings have been verified as far as practicable.  
 workmanship is good and the materials are sound, for opinions as to class etc., please see Rpt. 9.

Fee ... £ : : } When applied for, 19  
 Billing Expenses (if any) £ : : } When received, 19

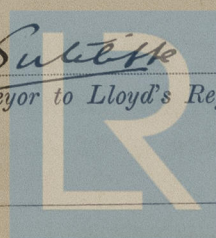
Committee's Minute

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WED 13 APR 1949

See minute on J. 1/1

Engineer-Surveyor to Lloyd's Register of Shipping.



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