

REPORT ON WATER TUBE BOILERS.

Mtl. Rpt. No. 7587

Received at London Office 14 DEC 1948

of writing Report. 1st Sept. 1948 When handed in at Local Office. 2nd Sept. 1948 Port of QUEBEC, P.Q.
 No. in Survey held at Lauzon, P.Q. Date, First Survey 11th March Last Survey 23rd July 1948
 on the Steel Twin Screw M.V. "CHING MEN" (Number of Visits Six) Gross 909.11
 at Lauzon, P.Q. By whom built Geo. T. Davie & Sons Ltd. When built 1948
 Boilers made at Cleveland, U.S.A. By whom made General Motors When made 1947
 Boilers made at El Monte, California By whom made Claxton Manufacturing Company When made 1947
 nominal Horse Power 426 Owners Ming Sung Industrial Company Port belonging to Shanghai

WATER TUBE BOILERS—MAIN, ACCUMULATOR OR DONKEY.—Manufacturers of Steel Bethlehem or Worth & National Seamless Steel Pipe.

of Approval of plan 1-12-47 C.M. New York. Number and Description or Type
 Boilers 2 Model B.O. 25 H.P. Clayton Steam Generator. Working Pressure 100 lbs. Tested by Hydraulic Pressure to 240 Date of Test 26-4-48
 Boilers C-4755 & C-4756 Can each boiler be worked separately. Yes Total Heating Surface of Boilers 74.5 sq.ft. each

forced draught fitted No Area of fire grate (coal) in each Boiler -
 and type of burners (oil) in each boiler (1) One Automatic Regulated Burner. - Ht. 36"x30" dia. No. and description of safety valves on
 boiler one 1 1/2" spring loaded. Area of each set of valves per boiler { per rule .81 Sq. In.
 as fitted 1.227 Pressure to which they

adjusted 100 lbs. Are they fitted with easing gear No In case of donkey boilers state whether steam from main boilers can enter
 donkey boiler No Smallest distance between boilers or uptakes and bunkers or woodwork - Height of boiler

th and Length 36" high x 30" diameter. Steam Accumulator: Number in each boiler one Inside diameter 6"

7.75 thickness of plates .280 Range of Tensile Strength A.S.T.M. Spec. A-53 Are drum shell plates welded

anged Seamless If fusion welded, state name of welding firm - Have all the requirements of the rules

Class I vessels been complied with Description of riveting:—Cir. seams - long. seams -

meter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

centage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength Specification A-70

16. thickness of plates 5/8" Radius or how stayed Flat Size of manhole or handhole None fitted. Water Drums:—Number

947. ch boiler - Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates

ed or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

Class I vessels been complied with Description of riveting:—Cir. seams - long. seam -

29.5 meter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -

centage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes 0 -

centage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength -

ness of plates - Radius or how stayed - Size of manhole or handhole -

Boilers or Sections:—Number - Material - Thickness - Tested by Hydraulic Pressure to -

es:—Diameter 1.05" & 1.315" Thickness .078" & .090" Number One continuous Steam Dome or Collector:—Description of

to Shell - Inside diameter - Thickness of shell plates - Range of tensile

gth - 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 -

of rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -

in or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -

PERHEATER. Drums or Headers:—Number in each boiler - Inside Diameter -

ness - Material - Range of tensile strength - Are drum shell plates welded

inged - If fusion welded, state name of welding firm - Have all the requirements of the rules

Class I vessels been complied with Description of riveting:—Cir. seams - long. seams -

eter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

shell in way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -

s or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

cial by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which

Ameri e shut off from the boiler - No. and description of Safety Valves - Area of each set

lvet - Pressure to which they are adjusted - Is easing gear fitted -

ureau re Gear. Has the spare gear required by the rules been supplied -

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith No

During progress of work in shops - 11, 23, March, 26, April, 28 May, 21, June, 23 July

During erection on board vessel - Total No. of visits Six

have boiler a duplicate of a previous case Yes If so, state vessel's name and report No. M.V. "KUEI MEN" Mtl. Rpt. No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Boilers were not constructed under Special Survey,

he material tested by this Society's Surveyors; but affidavits regarding the materials and shop tests have been

ined and found satisfactory.

Boilers have now been fitted on board, examined, hydrostatically tested and examined under full working conditions

and found satisfactory. (P.T.O.)

Survey Fee Donkey Bhe 25.00 When applied for, Oct. 28 1948

Shipping Travelling Expenses (if any) & Included When received, 19

in Knack. Rpt.

Registree's Minute MON. 11 APR 1949

igned See minute on

fe. rpt.

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The Safety Valves were adjusted under steam to 100 lbs./sq. inch all in accordance with the London letter dated 31st December, 1947, so far as could be determined the workmanship is satisfactory.
It is recommended that a redord of Port and Starboard D.B.S. be now assigned to these Boilers.

Rpt. 4c.

Date of w

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