

REPORT ON WATER TUBE BOILERS.

No. 48917

Received at London Office

ate of writing Report 1st DEC. 19 48 When handed in at Local Office 1st DECEMBER 19 48 Port of NEW YORK, N.Y. 19 FEB 1949
 No. in Survey held at HOBOKEN N.J. Date, First Survey 25th OCTOBER Last Survey 19th NOVEMBER 19 48
 Reg. Bk. 5055 on the SS. HADJOTIS. Ex "NIKI"
 (Number of Visits 3) Tons {Gross 7240
 Net 4390
 Built at JACKSONVILLE, FLA. By whom built ST JOHN'S RIVER SHIPBUILDING CO When built 19 45
 Engines made at HAMILTON, OHIO. By whom made GENERAL MACHINERY CORP When made 19 45
 Boilers made at LOUISVILLE, KY. By whom made HENRY VOGT MACHY CO When made 19 45
 Nominal Horse Power 659 Owners KASSOS STEAM NAVIGATION CO Port belonging to SYRA

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel LUKINS STEEL CO
 Date of Approval of plan ABS + USCG (APPROVED) Number and Description or Type P 1-12-44
 of Boilers Two CROSS DRUM S.H. STRAIGHT TUBE Working Pressure 225 LBS Tested by Hydraulic Pressure to 500 LBS Date of Test 5.13.11.44
 No. of Certificate ABS (P) 2621E(S) 2594 Can each boiler be worked separately. YES Total Heating Surface of Boilers 5116.5 S.F. Total 10233.9 S.F.
 Is forced draught fitted YES Area of fire grate (coal) in each Boiler OIL FIRED
 No. and type of burners (oil) in each boiler FOUR "JODD HEXPRESS" TYPE No. and description of safety valves on
 each boiler ONE 1 1/2 DIA SIMPLEX SUPERHEATER Area of each set of valves per boiler {per rule 25.14 } 26.9/50 INS Pressure to which they
 as fitted 1.76 }
 Are they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter
 the donkey boiler NONE ✓ Smallest distance between boilers or uptakes and bunkers or woodwork 34" Height of boiler 16'-5 7/8"
 Width and Length 14'-7 1/4" + 17'-10 1/2" Steam Drums: Number in each boiler ONE ✓ Inside diameter 47 3/4"
 Thickness of plates 15/16" Range of Tensile Strength 70 000 LBS MIN Are drum shell plates welded
 or flanged FUSION WELDED If fusion welded, state name of welding firm HENRY VOGT MACHY CO Have all the requirements of the rules
 for Class I vessels been complied with ABS + USCG. Description of riveting:—Cir. seams ✓ long. seams ✓
 Diameter of rivet holes in long. seams ✓ Pitch of rivets ✓ Thickness of straps ✓ Percentage strength of
 long. joint:—Plate ✓ Rivet ✓ Diameter of tube holes in drum 4 1/2" ✓ Pitch of tube holes 7" ✓
 Percentage strength of shell in way of tubes ✓ Steam Drum Heads or Ends:—Range of tensile strength 65 000 LBS MIN
 Thickness of plates 15/16" Radius or how stayed ELLIPSOIDIAL Size of manhole or handhole 12" x 16" ✓ Water Drums:—Number
 in each boiler ✓ Inside Diameter ✓ Thickness of plates ✓ Range of tensile strength ✓ Are drum shell plates
 welded or flanged ✓ If fusion welded, state name of welding firm ✓ Have all the requirements of the rules
 for Class I vessels been complied with ✓ Description of riveting:—Cir. seams ✓ long. seam ✓
 Diameter of rivet holes in long. seams ✓ Pitch of rivets ✓ 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:—Range of Tensile strength ✓
 Thickness of plates ✓ Radius or how stayed ✓ Size of manhole or handhole ✓
 Headers or Sections:—Number 22 ✓ Material OH STEEL Thickness 19/32" ✓ Tested by Hydraulic Pressure to 500 LBS
 Tubes:—Diameter 4" + 2" ✓ Thickness 6 GA + 10 GA Number 44 + 602 Steam Dome or Collector:—Description of
 Joint to Shell ✓ Inside diameter ✓ Thickness of shell plates ✓ Range of tensile
 strength ✓ Description of longitudinal joint ✓ If fusion welded, state name of welding
 firm ✓ Have all the requirements of the rules for Class I vessels been complied with ✓ Diameter of rivet holes ✓
 Pitch of rivets ✓ Thickness of straps ✓ Percentage strength of long. joint ✓ Plate ✓ Rivet ✓
 Crown or End Plates:—Range of tensile strength ✓ Thickness ✓ Radius or how stayed 6 5/8" SQUARE
 SUPERHEATER. Drums or Headers:—Number in each boiler TWO ✓ Inside Diameter ✓
 Thickness 5/8" ✓ Material OH STEEL Range of tensile strength ✓ Are drum shell plates welded
 or flanged ✓ If fusion welded, state name of welding firm ✓ Have all the requirements of the rules
 for Class I vessels been complied with ABS. Description of riveting:—Cir. seams ✓ long. seams ✓
 Diameter of rivet holes in long. seams ✓ Pitch of rivets ✓ 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 ✓ Drum Heads or Ends:—Thickness ✓ Range of tensile strength ✓
 Radius or how stayed ✓ Size of manhole or handhole ✓ Number, diameter, and thickness of tubes 22, 2" + 10 GA.
 Tested by Hydraulic Pressure to 500 LBS Date of Test ✓ Is a safety valve fitted to each section of the superheater which
 can be shut off from the boiler CAN NOT SHUT OFF ✓ No. and description of Safety Valves ONE 1 1/2 DIA SIMPLEX (CONSOLIDATED) ✓ Area of each set
 of valves 1.76 SQ INS. ✓ Pressure to which they are adjusted 215 LBS Is easing gear fitted YES ✓
 Spare Gear. Has the spare gear required by the rules been supplied YES ✓

The foregoing is a correct description,

Manufacturer.

Dates of Survey } During progress of work in shops - -
 while } During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith YES

Total No. of visits ✓

Is this boiler a duplicate of a previous case YES

If so, state vessel's name and report No. SS VIKDAL RPT N° 47695

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The two water tube boilers were constructed under supervision of the American Bureau of Shipping + USCG. The scantlings have been verified as far as practicable. Tested hydrostatically, examined throughout & seen under steam. The boilers + machinery of this vessel are in good condition & eligible in our opinion, to be classed with this Society with record of LMC 11-48 (2WTB 250 LBS. SPT)

Survey Fee £ ✓ : : When applied for, 19
 Travelling Expenses (if any) £ ✓ : : When received, 19

Committee's Minute NEW YORK FEB 2 - 1949

Assigned 2 WTB (SPT) 250 LBS.

Engineer Surveyor to Lloyd's Register of Shipping.

PORT BOILER.

U.S.C.G. 8997
SHELL 70 000 LBS
HEADS 65 000 LBS
HYDRO TEST 375 LBS
ORIGINAL W.P. 250 LBS
HENRY VOGT MCH CO.
LOUISVILLE KY
STEEL LUKINS STEEL CO
COATSVILLE
DATE 1-19-45 J.O.M.
SHOP HYDRO 500 LBS
DEC. 1-44 C.W.B.
ABS-A 537B OLH 1-2-45
A 85B. LE 262
H.V.M.CO. NO 15311-113
WP 250 TP 500
MEL 12-1. 44

STARBOARD BOILER.

U.S.C.G. 8994
SHELL 70 000 LBS
HEADS 65 000 LBS
HYDRO TEST 375 LBS
ORIGINAL W.P. 250 LBS
HENRY VOGT MCH CO
LOUISVILLE. KY.
STEEL LUKINS STEEL CO
COATSVILLE.
DATE 1-19-45 J.O.M.
SHOP HYDRO 500 LBS
NOV 13. 1944 C.W.B.
ABS-A 537B OLH 1-2-45
A 83B. LE 259
H.V.M.CO NO 15311-110
WP 250. TP 500.
MEL 11-30-44.

YB



© 2021

Lloyd's Register
Foundation