

NOV 1 1939

19

Port of ROTTERDAM.

No. in Survey held at ROTTERDAM. Date, First Survey 2. 3. 39 Last Survey 14-9-1939
Reg. Bk. on the TWIN SCREW STEAMER: SATDJA (Number of Visits 17) Tons { Gross 6671
Net 3801
Built at SCHIEDAM. By whom built SCHEEPSBOUW MY NIEUW VATHORP 1939
Engines made at ROTTERDAM By whom made ROTT DROOGD. MY When made 1939
Boilers made at ROTTERDAM By whom made ROTT DROOGD MY When made 1939
Nominal Horse Power 733. Owners NED IND. TANXSTOOMBOOT MY Port belonging to S. GRAYENHAF

WATER TUBE BOILERS—MAIN, ~~AND~~ ~~FOR~~ ~~BOILER~~ ~~TY.~~—Manufacturers of Steel

Date of Approval of plan _____ Number and Description or Type _____
of Boilers Two Babcock & Wilcock WT. Working Pressure 220 LBS Tested by Hydraulic Pressure to 380 LBS Date of Test 11-9-39
No. of Certificate 1024 Can each boiler be worked separately Yes Total Heating Surface of Boilers 1 x 5320 sq ft
Is forced draught fitted Yes Area of fire grate (coal) in each Boiler OIL FIRED
No. and type of burners (oil) in each boiler 5 Smiths patent No. and description of safety valves on
each boiler 1 spring loaded Dia. of each ~~set~~ valve 88 mm. Pressure to which they are adjusted 220 lbs
Are they fitted with easing gear Yes 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 4 ft. Height of boiler 11' 1 3/32" Width and Length 19' 4 1/2" - 13' 7 1/2"
Steam Drums:—Number in each boiler One Inside diameter 3-6" Thickness of plates 9/16" in way of tubes 1/16"
Range of Tensile Strength 28-32 tons sq" Are drum shell plates welded or flanged Welded at ends Description of riveting:—
Cir. seams lap x x x long. seams Double butt x x x Diameter of rivet holes in long. seams 1 1/32" Pitch of rivets 3.49 in
Lap of plate or width of butt straps 9 1/8" Thickness of straps 9/16" Percentage strength of long. joint:—Plate 74.04% Rivet 96.77%
Diameter of tube holes in drum 4.047" Pitch of tube holes 7" Percentage strength of shell in way of tubes 41.73%
Working pressure by rules 278.2 lbs/sq" Steam Drum Heads or Ends:—Range of tensile strength 26-30 tons sq" Thickness of plates 7/8"
Radius or how stayed 3' 0" Size of manhole or handhole 16" x 12" Working pressure by rules 335.8 lbs Water Drums:—Number
in each boiler ✓ Inside Diameter ✓ Thickness of plates ✓ Range of tensile strength ✓ Are drum shell plates
welded or flanged ✓ Description of riveting:—Cir. seams ✓ long. seam ✓ Diameter of rivet holes in
long. 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 ✓ Working pressure by rules ✓ Water Drum Heads or Ends:—Range of
Tensile strength ✓ Thickness of plates ✓ Radius or how stayed ✓
Size of manhole or handhole ✓ Working pressure by rules ✓ Headers or Sections:—Number 29
Material 1. Mild steel Thickness 3/4" Tested by Hydraulic Pressure to 380 LBS Tubes:—Diameter 1 3/16"
Thickness Nº 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100 Number 1024 Steam Dome or Collector:—Description of Joint to Shell ✓
Inside diameter ✓ Thickness of shell plates ✓ Range of tensile strength ✓
Description of longitudinal joint ✓ Diameter of rivet holes ✓ Pitch of rivets ✓ Lap of plate or width of
butt straps ✓ Thickness of straps ✓ Percentage strength of long. joint ✓ Plate ✓ Rivet ✓
Working Pressure of shell by rules ✓ Crown or End Plates:—Range of tensile strength ✓
Thickness ✓ Radius or how stayed ✓ Working pressure by rules ✓
SUPERHEATER. Drums or Headers:—Number in each boiler ✓ Inside Diameter ✓
Thickness ✓ Material ✓ Range of tensile strength ✓ Are drum shell plates welded
or flanged ✓ Description of riveting:—Cir. seams ✓ long. seams ✓ Diameter of rivet holes in
ong. 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 ✓ Working pressure by rules ✓ Drum Heads or Ends:—
Thickness ✓ Range of tensile strength ✓ Radius or how stayed ✓ Size of manhole or handhole ✓
Working pressure by rules ✓ Number, diameter, and thickness of tubes ✓ 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 ✓
No. and description of Safety Valves ✓ Area of each set of valves ✓
Pressure to which they are adjusted ✓ Is easing gear fitted ✓
Spare Gear. Has the spare gear required by the rules been supplied ✓

The foregoing is a correct description.

Manufacturer.

Dates of Survey while building } During progress of work in shops - } 1/7 12/12 13/12 14/12 15/12 16/12 17/12 18/12 19/12 20/12 21/12 22/12 23/12 24/12 25/12 26/12 27/12 28/12 29/12 30/12 31/12 1/1 2/1 3/1 4/1 5/1 6/1 7/1 8/1 9/1 10/1 11/1 12/1 13/1 14/1 15/1 16/1 17/1 18/1 19/1 20/1 21/1 22/1 23/1 24/1 25/1 26/1 27/1 28/1 29/1 30/1 31/1 1/2 2/2 3/2 4/2 5/2 6/2 7/2 8/2 9/2 10/2 11/2 12/2 13/2 14/2 15/2 16/2 17/2 18/2 19/2 20/2 21/2 22/2 23/2 24/2 25/2 26/2 27/2 28/2 29/2 30/2 31/2 1/3 2/3 3/3 4/3 5/3 6/3 7/3 8/3 9/3 10/3 11/3 12/3 13/3 14/3 15/3 16/3 17/3 18/3 19/3 20/3 21/3 22/3 23/3 24/3 25/3 26/3 27/3 28/3 29/3 30/3 31/3 1/4 2/4 3/4 4/4 5/4 6/4 7/4 8/4 9/4 10/4 11/4 12/4 13/4 14/4 15/4 16/4 17/4 18/4 19/4 20/4 21/4 22/4 23/4 24/4 25/4 26/4 27/4 28/4 29/4 30/4 31/4 1/5 2/5 3/5 4/5 5/5 6/5 7/5 8/5 9/5 10/5 11/5 12/5 13/5 14/5 15/5 16/5 17/5 18/5 19/5 20/5 21/5 22/5 23/5 24/5 25/5 26/5 27/5 28/5 29/5 30/5 31/5 1/6 2/6 3/6 4/6 5/6 6/6 7/6 8/6 9/6 10/6 11/6 12/6 13/6 14/6 15/6 16/6 17/6 18/6 19/6 20/6 21/6 22/6 23/6 24/6 25/6 26/6 27/6 28/6 29/6 30/6 31/6 1/7 2/7 3/7 4/7 5/7 6/7 7/7 8/7 9/7 10/7 11/7 12/7 13/7 14/7 15/7 16/7 17/7 18/7 19/7 20/7 21/7 22/7 23/7 24/7 25/7 26/7 27/7 28/7 29/7 30/7 31/7 1/8 2/8 3/8 4/8 5/8 6/8 7/8 8/8 9/8 10/8 11/8 12/8 13/8 14/8 15/8 16/8 17/8 18/8 19/8 20/8 21/8 22/8 23/8 24/8 25/8 26/8 27/8 28/8 29/8 30/8 31/8 1/9 2/9 3/9 4/9 5/9 6/9 7/9 8/9 9/9 10/9 11/9 12/9 13/9 14/9 15/9 16/9 17/9 18/9 19/9 20/9 21/9 22/9 23/9 24/9 25/9 26/9 27/9 28/9 29/9 30/9 31/9 1/10 2/10 3/10 4/10 5/10 6/10 7/10 8/10 9/10 10/10 11/10 12/10 13/10 14/10 15/10 16/10 17/10 18/10 19/10 20/10 21/10 22/10 23/10 24/10 25/10 26/10 27/10 28/10 29/10 30/10 31/10 1/11 2/11 3/11 4/11 5/11 6/11 7/11 8/11 9/11 10/11 11/11 12/11 13/11 14/11 15/11 16/11 17/11 18/11 19/11 20/11 21/11 22/11 23/11 24/11 25/11 26/11 27/11 28/11 29/11 30/11 31/11 1/12 2/12 3/12 4/12 5/12 6/12 7/12 8/12 9/12 10/12 11/12 12/12 13/12 14/12 15/12 16/12 17/12 18/12 19/12 20/12 21/12 22/12 23/12 24/12 25/12 26/12 27/12 28/12 29/12 30/12 31/12 1/13 2/13 3/13 4/13 5/13 6/13 7/13 8/13 9/13 10/13 11/13 12/13 13/13 14/13 15/13 16/13 17/13 18/13 19/13 20/13 21/13 22/13 23/13 24/13 25/13 26/13 27/13 28/13 29/13 30/13 31/13 1/14 2/14 3/14 4/14 5/14 6/14 7/14 8/14 9/14 10/14 11/14 12/14 13/14 14/14 15/14 16/14 17/14 18/14 19/14 20/14 21/14 22/14 23/14 24/14 25/14 26/14 27/14 28/14 29/14 30/14 31/14 1/15 2/15 3/15 4/15 5/15 6/15 7/15 8/15 9/15 10/15 11/15 12/15 13/15 14/15 15/15 16/15 17/15 18/15 19/15 20/15 21/15 22/15 23/15 24/15 25/15 26/15 27/15 28/15 29/15 30/15 31/15 1/16 2/16 3/16 4/16 5/16 6/16 7/16 8/16 9/16 10/16 11/16 12/16 13/16 14/16 15/16 16/16 17/16 18/16 19/16 20/16 21/16 22/16 23/16 24/16 25/16 26/16 27/16 28/16 29/16 30/16 31/16 1/17 2/17 3/17 4/17 5/17 6/17 7/17 8/17 9/17 10/17 11/17 12/17 13/17 14/17 15/17 16/17 17/17 18/17 19/17 20/17 21/17 22/17 23/17 24/17 25/17 26/17 27/17 28/17 29/17 30/17 31/17 1/18 2/18 3/18 4/18 5/18 6/18 7/18 8/18 9/18 10/18 11/18 12/18 13/18 14/18 15/18 16/18 17/18 18/18 19/18 20/18 21/18 22/18 23/18 24/18 25/18 26/18 27/18 28/18 29/18 30/18 31/18 1/19 2/19 3/19 4/19 5/19 6/19 7/19 8/19 9/19 10/19 11/19 12/19 13/19 14/19 15/19 16/19 17/19 18/19 19/19 20/19 21/19 22/19 23/19 24/19 25/19 26/19 27/19 28/19 29/19 30/19 31/19 1/20 2/20 3/20 4/20 5/20 6/20 7/20 8/20 9/20 10/20 11/20 12/20 13/20 14/20 15/20 16/20 17/20 18/20 19/20 20/20 21/20 22/20 23/20 24/20 25/20 26/20 27/20 28/20 29/20 30/20 31/20 1/21 2/21 3/21 4/21 5/21 6/21 7/21 8/21 9/21 10/21 11/21 12/21 13/21 14/21 15/21 16/21 17/21 18/21 19/21 20/21 21/21 22/21 23/21 24/21 25/21 26/21 27/21 28/21 29/21 30/21 31/21 1/22 2/22 3/22 4/22 5/22 6/22 7/22 8/22 9/22 10/22 11/22 12/22 13/22 14/22 15/22 16/22 17/22 18/22 19/22 20/22 21/22 22/22 23/22 24/22 25/22 26/22 27/22 28/22 29/22 30/22 31/22 1/23 2/23 3/23 4/23 5/23 6/23 7/23 8/23 9/23 10/23 11/23 12/23 13/23 14/23 15/23 16/23 17/23 18/23 19/23 20/23 21/23 22/23 23/23 24/23 25/23 26/23 27/23 28/23 29/23 30/23 31/23 1/24 2/24 3/24 4/24 5/24 6/24 7/24 8/24 9/24 10/24 11/24 12/24 13/24 14/24 15/24 16/24 17/24 18/24 19/24 20/24 21/24 22/24 23/24 24/24 25/24 26/24 27/24 28/24 29/2

this boiler a duplicate of a previous case No If so, state vessel's name and report No. 2

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) THESE BOILERS HAVE BEEN EXAMINED DURING CONSTRUCTION, MATERIAL TESTED AS REQUIRED AND WORKMANSHIP GOOD ALL IN ACCORDANCE WITH THE APPROVED PLANS AND SOCIETY'S RULES

Survey Fee	£ <i>On Mack</i>	} When applied for,	10
Travelling Expenses (if any)	£	<i>report</i>	:		
				When received,	10

Committee's Minute
Assigned Sec Rot. 7th 28626

Engineer Surveyor to Lloyd's Register of Shipping.

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Lloyd's Register
Foundation