

REPORT ON WATER TUBE BOILERS.

No. 3290.

Received at London Office

28 DEC 1953

of writing Report 17/12 1953. When handed in at Local Office 22/12 1953. Port of M A L M Ö.
 o. in Survey held at M A L M Ö. Date, First Survey 6/3-1953 Last Survey 17/12 1953.
 r. Book. (Number of Visits 31)
 53s on the Single Screw t/t "S A X O N S K Y" Gross 12.862
 Librarian- Tons Net 7.945
 lt at Malmö. By whom built Kockums Mek. Verkst. A.-B. Yard No. 360 When built 1953.
 ines made at Stockholm By whom made A.-B. De-Lavals Ångturbin Engine No. 102 When made 1953.
 ers made at Malmö. By whom made Kockums Mek. Verkst. A.-B. Boiler No. 1138 When made 1953.
 inal Horse Power 1620 Owners Oriental Tanker Corp. S.A. Port belonging to Monrovia.

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

e of Approval of plan 28th January, 1952.
 Boilers 2 Foster Wheeler "D" Working Pressure 490 lbs. Tested by Hydraulic Pressure to 785 lbs. No. and Description of Type
 of Certificate 151 & 152 Can each boiler be worked separately. Yes. Total Heating Surface of Boilers 14294 sq. feet excl. superheaters.
 orced draught fitted Yes. Area of Fire Grate (coal) in each Boiler ---
 and type of burners (oil) in each boiler 3 Todd Oil Burners Ltd. Type FD Hex-Press R.W. No. and description of safety valves on
 boiler 2 - 2 1/2 Crossby Steam Gage & Valve Corp. Area of each set of valves per boiler { per rule
 as fitted 9.8 sq. inch. Pressure to which they
 anufactured adjusted 495 lbs. Are they fitted with easing gear Yes. In case of donkey boilers state whether steam from main boilers can enter
 donkey boiler No D.B. Smallest distance between boilers or uptakes and bunkers or woodwork --- Height of boiler 22.8'
 th and length 18.6' x 12.9' Steam Drums:—Number in each boiler --- Inside diameter ---
 ckness of plates --- Range of tensile strength --- Are drum shell plates welded
 langed --- If fusion welded, state name of welding firm --- Have all the requirements of the Rules
 Class I vessels been complied with --- Description of riveting:—Circ. seams --- long. seams ---
 meter of rivet holes in long. seams --- Pitch of rivets --- Thickness of straps --- Percentage strength of
 g. 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 ---
 ckness of plates --- Radius or how stayed --- Size of manhole or handhole --- Water Drums:—Number
 each boiler --- Inside diameter --- Thickness of plates --- Range of tensile strength --- Are drum shell plates
 ded 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:—Circ. seams --- long. seams ---
 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 ---
 centage strength of drum shell in way of tubes --- Water Drum Heads or Ends:—Range of tensile strength ---
 ckness of plates --- Radius or how stayed --- Size of manhole or handhole ---
 ders or Sections:—Number 3 ✓ Material S.M. Steel Thickness 0.906" Tested by hydraulic pressure to 785 lbs.
 es:—Diameter 3", 2", 1 1/4" Thickness 8 & 7-8 & 10-12-BWG Number 7-231-647 Steam Dome or Collector:—Description of
 t to shell --- Inside diameter --- Thickness of shell plates --- Range of tensile
 ngth --- Description of longitudinal joint --- If fusion welded, state name of welding
 Have all the requirements for the Rules for Class I vessels been complied with --- Diameter of rivet holes ---
 h of rivets --- Thickness of straps --- Percentage strength of long. joint --- plate --- rivet ---
 own or End Plates:—Range of tensile strength --- Thickness --- Radius or how stayed ---
 PERHEATER, ~~DRUM~~ Headers:—Number in each boiler 2 ✓ Inside ~~Dimension~~ 6" x 7" ✓
 ckness 1 1/8" ✓ Material S.M. Steel Range of tensile strength --- Are drum shell plates welded
 langed --- If fusion welded, state name of welding firm --- Have all the requirements of the Rules
 Class I vessels been complied with --- Description of riveting:—Circ. seams --- long. seams ---
 meter of rivet holes in long. seams --- Pitch of rivets --- Thickness of straps --- Percentage strength of
 t. joint:—Plate --- Rivet --- Diameter of tube holes in drum --- Pitch of tube holes --- Percentage strength of
 n shell in way of tubes --- Drum Heads or Ends:—Thickness 1 1/8" Range of tensile strength ---
 ius or how stayed Flat Size of manhole or handhole 2.03" Number, diameter, and thickness of tubes 168, 1 1/4", 0.105
 ted by hydraulic pressure to 785 lbs. Date of test 15.4. & 18.4.53. Is a safety valve fitted to each section of the superheater which
 be shut off from the boiler --- No. and description of safety valves 1 - 1 1/2" Nozzle Type Top Safety Valve Area of each set
 alves 1.75 sq. inch. Pressure to which they are adjusted 455 lbs. ✓ Is easing gear fitted Yes. ✓
 re Gear. Has the spare gear required by the Rules been supplied Yes. ✓

KOCKUMS
MEKANISKA VERKSTADS AKTIEBOLAG

The foregoing is a correct description,

J. Lundgren Manufacturer.

tes } During progress of 6/3- 1953 - 22/6- 1953. Is the approved plan of boiler forwarded herewith
 rvey } work in shops - -
 ile } During erection on 19/8- 1953 - 17/12- 1953. Total No. of visits 31.
 ling } board vessel - -

is boiler a duplicate of a previous case Yes. If so, state vessel's name and report No. Kockums t/t 359 "SAXONSEA" Mmo. Rpt.
 No. 3255

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 These boilers have been constructed under Special Survey in accordance with the approved
 ans, Secretary's letters and the requirements of the Rules. Materials and workmanship are good.
 Photostat copy of the New York Surveyors Report No. 51671 is enclosed herewith.

Survey Fee ... Kr. 1.830:- } When applied for 22/12 1953.
 Travelling Expenses (if any) £ : : } When received 19

FRIDAY 15 JAN 1954

Date

mittee's
minute

See Rpt. 4a

Engineer Surveyor to Lloyd's Register of Shipping.

005013-005019-0067