

8/11/53

REPORT ON WATER TUBE BOILERS.

No. 19628

YES writing Report 12/10/1953 When handed in at Local Office 21/10/1953 Port of GENOA
in Survey held at GENOA & LA SPEZIA Date, First Survey 21-6-52 Last Survey 14-10-53
Rules... Book... on the TWIN "FRANCESCO BIBOLINI" (Number of Visits 22) Gross 15320
at MUGGIANO - LA SPEZIA By whom built SA ANSALDO - CANTIERE DI MUGGIANO Yard No. 1484 When built 1953
By whom made FIAT-STABILIMENTO GRANDI MOTORI Engine No. 53629 When made 1952
By whom made SA ANSALDO - STABILIM. MECCANICO Boiler No. 5510 When made 1953
Owners C.I.A. di NAVIGAZIONE BIBOLINI S.p.A. Port belonging to GENOA

TER TUBE BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel SOC. ITAL. ACCIAIERIE CORNICLIANO - DALMINE
of Approval of plan 6-6-52, 22-12-52 No. and Description or Type
Two - SECTIONAL HEADER BOILERS Working Pressure 13 Kg/cm² Tested by Hydraulic Pressure to 23 Kg/cm² Date of Test 22-2-53
Certificate 296, 297 Can each boiler be worked separately YES Total Heating Surface of Boilers 740 sq. m.
ed draught fitted YES Area of Fire Grate (coal) in each Boiler
d type of burners (oil) in each boiler THREE
boiler TWO-SPRING LOADED ORDINARY SAFETY VALVES Area of each set of valves per boiler
Adjusted 13 Kg/cm² Are they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter
donkey boiler Smallest distance between boilers or uptakes and bunkers or woodwork 1000 mm. Height of boiler 4850 mm.
and length 4230 x 3380 mm. Steam Drums: Number in each boiler ONE Inside diameter 1062 mm.
ness of plates 22 mm. Range of tensile strength 41/47 Kg/mm² Are drum shell plates welded
aged FUSION WELDED If fusion welded, state name of welding firm ANSALDO-STABILIMENTO MECCANICO Have all the requirements of the Rules
Class I vessels been complied with YES Description of riveting: Circ. 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 102 mm. Pitch of tube holes 184 mm.
ntage strength of shell in way of tubes 44% Steam Drum Heads or Ends: Range of tensile strength 41/47 Kg/mm²
ness of plates 22 mm. Radius or how stayed 1000 mm. Size of manhole or handhole 300 x 400 mm. Water Drums: Number
h boiler Inside diameter Thickness of plates Range of tensile strength Are drum shell plates
d or flanged If fusion welded, state name of welding firm Have all the requirements of the Rules
Class I vessels been complied with YES Description of riveting: Circ. seams long. seams
eter of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of
ntage strength of long. joint: Plate Rivet Diameter of tube holes in drum Pitch of tube holes
ntage strength of drum shell in way of tubes Water Drum Heads or Ends: Range of tensile strength
ness of plates 9.4 x 10.8 mm. Radius or how stayed Size of manhole or handhole
ers or Sections: Number 32 Material S.M. STEEL Thickness 16 mm. Tested by hydraulic pressure to 70 Kg/cm²
s: Diameter 51 - 102 - 102 Thickness 35 - 55 - 45 mm. Number 448 - 16 - 32 Steam Dome or Collector: Description of
to shell Inside diameter Thickness of shell plates Range of tensile
th 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 YES Diameter of rivet holes
of rivets Thickness of straps Percentage strength of long. joint plate rivet
n or End Plates: Range of tensile strength Thickness Radius or how stayed
ERHEATER, Drums or Headers: Number in each boiler TWO Inside diameter 148 x 148 mm.
ness 16 mm. Material S.M. STEEL Range of tensile strength 35/44 Kg/mm² Are drum shell plates welded
aged SEAMLESS If fusion welded, state name of welding firm Have all the requirements of the Rules
Class I vessels been complied with YES Description of riveting: Circ. 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 25.3 mm. Pitch of tube holes 60 mm. Percentage strength of
shell in way of tubes 57.8% Drum Heads or Ends: Thickness Range of tensile strength
s or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes 86 x 25 mm. - 9.5 mm.
d by hydraulic pressure to 23 Kg/cm² Date of test 16-18-3-53 Is a safety valve fitted to each section of the superheater which
e shut off from the boiler YES No. and description of safety valves ONE - SPRING LOADED ORDINARY SAFETY VALVE Area of each set
ves 2227 mm² Pressure to which they are adjusted 13 Kg/cm² Is easing gear fitted YES
e Gear. Has the spare gear required by the Rules been supplied YES ANSALDO S.p.A. STABILIMENTO MECCANICO
Un Condirettore
The foregoing is a correct description, Manufacturer.

During progress of work in shops - FROM 21-6-52 TO 7-4-53 Is the approved plan of boiler forwarded herewith NO
During erection on board vessel - FROM 15-4-53 TO 14-10-53 Total No. of visits 22
Is boiler a duplicate of a previous case NO If so, state vessel's name and report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) THESE BOILERS HAVE BEEN CONSTRUCTED UNDER SPECIAL SURVEY OF TESTED
MATERIALS AND ARE IN ACCORDANCE WITH THE APPROVED PLANS, SECRETARY'S LETTERS AND RULE REQUIREMENTS. THE MATERIALS, WORKMANSHIP AND WELDING
TECHNIQUE ARE GOOD. THE BOILERS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RULES FOR FUSION WELDED PRESSURE
VESSELS OF CLASS 1. THE X-RAY NEGATIVES TAKEN ON THE WELDED JOINTS HAVE BEEN EXAMINED AND WELDING FOUND SOUND. THE RESULTS OF THE
HYDRAULIC TESTS WERE FOUND SATISFACTORY. UPON COMPLETION, THE BOILERS HAVE BEEN EXAMINED UNDER HYDRAULIC PRESSURE TO 23 KG/CM² AND
FOUND TIGHT AND SOUND IN EVERY RESPECT AT THAT PRESSURE. AFTERWARDS THESE BOILERS HAVE BEEN SATISFACTORILY FITTED AND FIXED ON
BOARD. SAME EXAMINED UNDER STEAM AND THEIR SAFETY VALVES ADJUSTED TO BLOW AT 13 KG/CM².
44.344.000.

Survey Fee 4m 15% 290.700.- When applied for 4/5/1953
CAR FUND 44. 5.814.- When received 24-10-1953
Travelling Expenses (if any) 44. 37.791.-
REV. TAX. 44. 10.030.-

FRIDAY - 4 DEC 1953
Date
Committee's minute
See minute on hull fe. rit
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation
011678-011642-0200