629

Form 5c.

LR No. 507

REPORT ON WATER TUBE BOILERS.

No. 56

Date of writing Report 2/9/1964 19 When handed in at Local Office ..... 19 Received at London Office 14 SEP 15

No. in Reg. Book. Survey held at ..... Port of Milan

on the ..... Date, First Survey ..... Last Survey ..... 19 (Number of Visits .....)

Built at Genova-Sestri By whom built Ansaldo S.p.A. Yard No. 1598 Tons Gross ..... Net .....

Engines made at ..... By whom made ..... When built .....

Boilers made at Palazzolo S/O (Brescia) By whom made F. CASINGHINI, Milan Engine No. ..... When made .....

HS for Register Book ..... Owners ..... Boiler No. CDM. 62136 When made 1964

Port belonging to .....

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Tubes & Headers: Dalmine S.p.A., Milan

Date of Approval of plan 18.1.63 - drwg.No.CDM.62131/36/1

of Boilers One: Waste Heat Boiler Working Pressure 12 Kg/cm2 Tested by Hydraulic Pressure to see remarks No. and Description or Type

No. of Certificate ..... Can each boiler be worked separately - Date of Test .....

Half Economisers - Is forced draught fitted - Total Heating Surface of Boilers 2676 m2 Superheaters -

Area of Fire Grate (coal) in each Boiler -

No. and type of burners (oil) in each boiler exhaust gas.

No. and description of safety valves on each boiler (superheater bank 1 - ND. 40 mm. (economiser bank 1 - ND. 25 mm. (steaming bank 1 - N.D. 3"(double)

Area of each set of valves per boiler per rule (1256 mm2 (490 mm2 as fitted (9120 mm2

Pressure to which they are adjusted 12.6 Kg/cm2 Are they fitted with easing gear yes respectively

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 -

Width and length 3533, 4190 mm. **Steam Drums:**—Number in each boiler - Height of boiler 6750 mm.

Thickness of plates - Range of tensile strength - Inside diameter -

or flanged - If fusion welded, state name of welding firm - Are drum shell plates welded

for Class I vessels been complied with - Have all the requirements of the Rules

Diameter of rivet holes in long. seams - Description of riveting:—Circ. seams - long. seams -

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

Percentage strength of shell in way of tubes - Diameter of tube holes in drum - Pitch of tube holes -

Steam Drum Heads or Ends:—Range of tensile strength -

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

Water Drums:—Number in each boiler - Inside diameter - Thickness of plates - Range of tensile strength -

welded or flanged - If fusion welded, state name of welding firm - Are drum shell plates

for Class I vessels been complied with - Have all the requirements of the Rules

Diameter of rivet holes in long. seams - Description of riveting:—Circ. seams - long. seams -

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

Percentage strength of drum shell in way of tubes - Diameter of tube holes in drum - Pitch of tube holes -

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 6 Material Aq.45.UNI.663 Thickness 8 & 5.5 mm Tested by hydraulic pressure to see remarks

Tubes:—Diameter 38 x 32 mm. Thickness 3 mm. Number 624

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 for 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 -

SUPERHEATER. Drums or Headers:—Number in each boiler - Inside diameter -

Thickness - Material - 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:—Circ. 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 -

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

Tubes: Aq.35 UNI.663 mild steel: UTS min.35 Kg/mm2, YP 21 Kg/mM2, Elong.23%

Headers: Aq.45 UNI.663 " " : " " 45 " " 24 " , "

The foregoing is a correct description,

F. CASINGHINI Via Large, 9 - MILANO

F. Casinghini Economizzatori Green, Milan Manufacturer.

Dates of Survey while building — During progress of work in shops - - 3.5.63 - 4-6-64 - 14.7.1964 — During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith -

Total No. of visits .....

Is this boiler a duplicate of a previous case yes If so, state vessel's name and report No. No.54 Yard No.1597 - Ansaldo, Sestri.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. The above boiler was examined at the Works in the conditions described in our certificate No.M/2829 attached, and despatched to the Shipyard for completion and hydraulic testing, to the satisfaction of the Society's Surveyors in Genova.

LIT 312,375

Survey Fee ... ... Lit. 211,400= When applied for 9/9/ 1964

Travelling Expenses (if any) £ 11,600= When received 19

Revenue Tax..... " 8,920=

Date FRIDAY - 3 SEP 1965

Committee's Minute See Rpt. 1.

(D. Lamuraglia)

Engineer Surveyor to Lloyd's Register of Shipping.

14.10.64

PLEASE RETURN THIS REPORT WITH YOUR FIRST ENTRY.

Is a Report also sent on the Hull of the Ship? If not, state whether, and when, one will be sent?

1m,9,61 T. (MADE AND PRINTED IN ENGLAND)

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