28944

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REPORT ON WATER TUBE BOILERS.

No. ...

Received at London Office ...

...f writing Report 3rd April 1964 When handed in at Local Office ... 19... Port of GENOA

...in Survey held at GENOA Date, First Survey 15/7/1963 Last Survey 4/4/ 1964
...Book. (Number of Visits 16) Gross 31295 Tons Net –

... on the m.t. "FEDOR POLETAEV"

...at GENOA SESTRI By whom built ANSALDO S.A.CANTIERE NAVALE Yard No. 1594 When built 1963

...es made at TURIN By whom made FIAT GRANDI MOTORI Engine No. 5064 When made 1963

...s made at GENOA SAMPIERDARENA By whom made ANSALDO S.A.STAB.MECCANICO Boilers No. 484 & 485 (68089) When made 1963

...r Register Book 770 m² Owners BLACKSEA STATE STEAMSHIP LINES Port belonging to ODESSA

...TER TUBE BOILERS ~~MAIN~~, AUXILIARY, ~~OR DONKEY~~.—Manufacturers of Steel FALCK, Milano – DALMINE, Milano–

...of Approval of plan 16th April, 1962. **No. and Description or Type**

...**ilers** two ANSALDO F-W type two drum boiler **Working Pressure** 12 Kg/cm² Tested by Hydraulic Pressure to 21.5 Kg/cm2 Date of Test 26/9/63, 7/10/63

...f Certificate 484, 485 Can each boiler be worked separately yes **Total Heating Surface of Boilers** 770m2 **Superheaters** none

Economisers – Is forced draught fitted yes **Area of Fire Grate (coal) in each Boiler** –

...nd type of burners (oil) in each boiler one – oil No. and description of safety valves on

...boiler one double cockburn type full bore pilot operated Area of each set of valves per boiler per rule as approved; as fitted 6636mm2 Pressure to which they

...djusted 12 Kg/cm2 Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter

...onkey boiler – Smallest distance between boilers ~~or uptakes~~ and sett. tks. ~~bunkers or woodwork~~ 750mm. Height of boiler 1082mm. (5000)

...h and length 4750 x 3750mm. **Steam Drums:**—Number in each boiler one Inside diameter 1082mm.

...ness of plates 18/30mm. Range of tensile strength 42/48 Kg/mm2 (R.541 R.535) Are drum shell plates welded

...nged Fusion welded If fusion welded, state name of welding firm ANSALDO S.A. STAB.MECCANICO, GENOA Have all the requirements of the Rules

...lass 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 – Pitch of tube holes –

...entage strength of shell in way of tubes as approved **Steam Drum Heads or Ends:**—Range of tensile strength 42-48 Kg/mm2

...kness of plates 18mm. Radius ~~or how stayed~~ 880mm. Size of manhole ~~or handhole~~ 300x400mm. **Water Drums:**—Number

...ch boiler one Inside diameter 760mm. Thickness of plates 28mm. Range of tensile strength 42-48Kg/mm2 Are drum shell plates

...ed or flanged fusion welded If fusion welded, state name of welding firm ANSALDO S.A.STAB.MECCANICO, GENOA Have all the requirements of the Rules

...lass 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 –

...entage strength of long. joint:—Plate – Rivet – Diameter of tube holes in drum 38.35mm. 102.6mm. Pitch of tube holes 60mm.

...entage strength of drum shell in way of tubes as approved **Water Drum Heads or Ends:**—Range of tensile strength 42-48 Kg/mm2

...kness of plates 15mm. Radius ~~or how stayed~~ 700mm. Size of manhole ~~or handhole~~ 300x400mm.

...**lers or Sections:**—Number one Material seamless steel tube Thickness 24mm. Tested by hydraulic pressure to 21.5 Kg/cm2

...**es:**—Diameter 38mm. 102mm. Thickness 3mm. 4.5mm. Number 956 4 **Steam Dome or Collector:**—Description of

...to shell – Inside diameter – Thickness of shell plates – Range of tensile

...gth – 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 –

...of rivets – Thickness of straps – Percentage strength of long. joint – plate – rivet –

...**wn or End Plates:**—Range of tensile strength – Thickness – Radius or how stayed –

...PERHEATER. Drums or Headers:—Number in each boiler – Inside diameter –

...kness – Material – Range of tensile strength – Are drum shell plates welded

...anged – 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

...joint:—Plate – Rivet – Diameter of tube holes in drum – Pitch of tube holes – Percentage strength of

...m shell in way of tubes – **Drum Heads or Ends:**— – Thickness – Range of tensile strength –

...ius or how stayed – Size of manhole or handhole – Number, diameter, and thickness of tubes –

...ed by hydraulic pressure to – Date of test – Is a safety valve fitted to each section of the superheater which

...be shut off from the boiler – No. and description of safety valves – Area of each set

...alves – Pressure to which they are adjusted – Is easing gear fitted –

...**re Gear.** Has the spare gear required by the Rules been supplied yes –

The foregoing is a correct description,

ANSALDO S.P.A. STABILIMENTO MECCANICO [signature] Manufacturer.

...ates ...urvey ...hile ...lding — During progress of work in shops: 15th July, 1963 first 7th Oct., 63, last. Is the approved plan of boiler forwarded herewith no

During erection on board vessel: 16/1/64 4/4/64 Total No. of visits 10

...his boiler a duplicate of a previous case yes If so, state vessel's name and report No. ANSALDO SESTRI YARD NO.1593 RPT.NO.28667.

...NERAL 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 approved plans, rule requirements and Secretary's letters. The materials, workmanship, and welding tecniques are good. The boiler drums have been manufactured in accordance with rule requirements for Class 1 fusion welded pressure vessels. Full radiographic examination of the drum longitudinal and circumferential seams has been carried out with satisfactory results.

Survey Fee Lit 315.060 plus fee for Class I Lit 124.200 = Lit 439.260 When applied for 18/12/ 1963
Travelling Expenses (if any) £ Lit 900 : R.T. (See our A/c. no 5034 dd. 18/12/1963) When received 12/2/ 1964

B.S. Thompson
(B.S. THOMPSON)
Engineer Surveyor to Lloyd's Register of Shipping.

Date FRIDAY 11 SEP 1964

...mmittee's Minute See Rpt 1

01869-01576-0093