

REPORT ON WATER TUBE BOILERS.

No. 9806

Received at London Office

20 DEC 1932

Writing Report 3/12/1932 When handed in at Local Office 15/12/1932 Port of TRIESTE

Survey held at TRIESTE Date, First Survey 23/9/1930 Last Survey 30/11/1932

on the T.M. CONTE DI SAVOIA. (QUAD. SC.) Number of Visits 179 Tons Gross 48502 Net 25948

Built at TRIESTE By whom built CANT. RIUNITI DELL'ADRIATICO When built 1932

made at TRIESTE By whom made CANT. RIUNITI DELL'ADRIATICO When made 1932

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ed Horse Power Owners ITALIA (FLOTE RIUNITA COSULICH) LLOYD SABAUDO NAVIGAZIONE GENOVA

ER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel CORPORATION LTD. SHEFFIELD & STAB. DALMINE - DALMINE.

for Record S. Date of Approval of plan 11/4/30 - 19/5/30 - 20/3/30 Number and Description or Type

ers 10. JARROW WATER TUBE BOILER Working Pressure 31.6 Tested by Hydraulic Pressure to 50 kg/cm² Date of Test 25/3 TO 13/5/32

Certificate 305-314 Can each boiler be worked separately YES Total Heating Surface of Boilers 19100 M² (265594 ft²)

ed draught fitted YES. Area of fire grate (coal) in each Boiler OIL BURNING Total grate area of boilers in vessel including

and Auxiliary HIGH-LIFT and type of burners (oil) in each boiler S. WALLSEND No and description of safety valves on

all COCKBURN-MACNICOLL PATENT. Area of each valve 708.4 CM² Pressure to which they are adjusted 30 kg/cm²

ry fitted with casing gear YES In case of donkey boilers state whether steam from main boilers can enter the donkey boiler No

st distance between boilers or uptakes and bunkers or woodwork Height of Boiler 5.89 m Width and Length 7.130

Drums: Number in each boiler TWO Inside diameter 1370-1600 Material of plates S. M. STEEL Thickness 55-40

of Tensile Strength 54-60 kg/cm² - 23-19 % Are drum shell plates welded or flanged FORGED Description of riveting:—

ams NONE long, seams NONE Diameter of rivet holes in long, seams Pitch of Rivets

plate or width of butt straps Thickness of straps Percentage strength of long, joint:—Plate Rivet

er of tube holes in drum MAIN 51 m ~ 35 m Pitch of tube holes 48.4 m/m Percentage strength of shell in way of tubes 40.9 %

um has a flat side state method of staying NO FLAT SIDE Depth and thickness of girders at centre

ed Distance apart Number and pitch of stays in each Working pressure

31.9 kg/cm² Steam Drum Heads or Ends:—Material S. M. S. Thickness 110 m/m Radius or how stayed 7.485 m/m

Manhole or Handhole 300 x 400 m/m Water Drums: Number in each boiler 3 Inside Diameter 915-585-585

al of plates S. M. STEEL Thickness 50-35-32 Range of tensile strength 44-50 kg/cm² Are drum shell plates welded

ged FORGED Description of riveting:—Cir. seams long, seams Diameter of Rivet Holes in

seams Pitch of rivets Lap of plates or width of butt straps Thickness of straps

age strength of long, joint:—Plate Rivet Diameter of tube holes in drum 35, 51 m Pitch of tube holes 54, 76, 4, 108

age strength of drum shell in way of tubes 54 % Water Drum Heads or Ends:—Material S. M. S. Thickness 110, 70 m

or how stayed 275 m x 90 m Size of manhole or handhole 300 x 400 Headers or Sections:—Number

al Thickness Tested by Hydraulic Pressure to Material of Stays

at smallest part Area supported by each stay Working Pressure by Rules Tubes:—Diameter

ess Number Steam Dome or Collector:—Description of Joint to Shell

age strength of Joint Diameter Thickness of shell plates Material

tion of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

es Crown or End Plates:—Material Thickness How stayed

REHEATER. Type JARROW Date of Approval of Plan 11/4/30 - 19/5/30 Tested by Hydraulic Pressure to 50 kg/cm²

f Test 25/3 TO 9/5/1932 Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler CAN NOT BE SHUT OFF

er of Safety Valve Pressure to which each is adjusted E. 28th OCTOBER 1932 Is casing gear fitted

rain cock or valve fitted at lowest point of superheater YES. Number, diameter, and thickness of tubes ONE, 760, 3.5 m/m. 28.6 dia

e Gear. Tubes 60. Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description,
Cantieri Riuniti dell'Adriatico
FABBRICA MACCHINE S. ANDREA
ing. M. M. M. Manufacturer.

During progress of work in shops - - - Please see attached list
During erection on board vessel - - - Is the approved plan of boiler forwarded herewith in London
Total No. of visits 179

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) THE BOILERS HAVE BEEN
T UNDER SPECIAL SURVEY AND APPROVED PLANS AND SATISFACTORILY FIRED ON
AD. THE QUALITY OF THE MATERIAL AND WORKMANSHIP ARE GOOD.

Survey Fee See Machinery Report When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Committee's Minute FRI. 27 JAN 1933
ned See F. C. Rep.

Signature of Engineer
Engineer, Surveyor to Lloyd's Register of Shipping.