

REPORT ON BOILERS.

No. 11818

SEP 27 1937

Received at London Office

Writing Report 22/9/37 When handed in at Local Office 23/9/37 Port of TRIESTE
Survey held at Monfalcone Date, First Survey June 18 Last Survey Sep 10 1937
Book. 316 on the M/S Tella (Number of Visits 5) Gross 6072 Tons Net 3748

at Trieste By whom built Stabilimento Tecnico Yard No. — When built 1926
made at Turin By whom made Triat Fab. Gr. Motari Engine No. — When made 1937
made at Glasgow By whom made Cochran & Co. Ltd. Boiler No. 9254 When made 1925
"Italia" S. A. di Navigazione Port belonging to Venice

TICAL DONKEY BOILER. SEE ALSO GENOA REPORT No. 14895

Glasgow By whom made Cochran & Co. Ltd. Boiler No. 9254 When made 1925 Where fixed In E. R.

Heating Surface of Boiler 500 sq ft Is forced draught fitted yes Coal or Oil fired oil
Description of Boilers Vertical multitubular Working pressure 100 lbs
by hydraulic pressure to 200 lbs Date of test 5.6.37 No. of Certificate 16779

Firegrate in each Boiler — No. and Description of safety valves to each boiler Two direct spring loaded

each set of valves per boiler { per rule 5.430" as fitted 9.80" Pressure to which they are adjusted 100 lbs Are they fitted with easing gear yes

Whether steam from main boilers can enter the donkey boiler — Smallest distance between boiler or uptake and bunkers

work — Is oil fuel carried in the double bottom under boiler yes Smallest distance between base of boiler and tank top plating

18" Is the base of the boiler insulated yes Largest internal dia. of boiler 6'-6" Height 14'-6"

plates: Material Steel Tensile strength 28-32 T Thickness 15/32" & 19/32"

shell plates welded or flanged no Description of riveting: circ. seams { end single inter. double long. seams double

rivet holes in { circ. seams 27/32" Pitch of rivets 2 1/8" 2.663" Percentage of strength of circ. seams { plate 60.4% rivets 46.1% of Longitudinal joint { plate 68.2% rivets 68.8% combined —

pressure of shell by rules 110 lbs Thickness of butt straps { outer — inner —

own: Whether complete hemisphere, dished partial spherical, or flat complete hemisph. Material Steel

strength 28-32 T Thickness 27/32, 13/32 Radius 39" Working pressure by rules 144 lbs

tion of Furnace: Plain, spherical, or dished crown typical Material Steel Tensile strength 26-30 T

Approx 1/2" External diameter { top — bottom — Length as per rule — Working pressure by rules —

f support stays circumferentially — and vertically — Are stays fitted with nuts or riveted over —

when or of stays over thread — Radius of spherical or dished furnace crown 33" Working pressure by rule 125 lbs

ss of Ogee Ring 27/32" Diameter as per rule { D 6'-6" a 6.6" Working pressure by rule 101 lbs

will be tion Chamber: Material — Tensile strength — Thickness of top plate —

out to if dished — Working pressure by rule — Thickness of back plate — Diameter if circular —

eligible per rule — Pitch of stays — Are stays fitted with nuts or riveted over —

The or of stays over thread — Working pressure of back plate by rules —

ates: Material { front Steel back — Tensile strength { 26-30 T Thickness { 13/16" 23/32" Mean pitch of stay tubes in nests 12"x10"x 1/16"

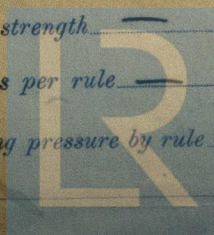
rising shell, Dia. as per rule { front 72 3/4" back 65 1/2" Pitch in outer vertical rows { 4" 4" Dia. of tube holes FRONT { stay 2 1/16" plain 2 3/16" BACK { stay 2 1/2" plain 2 1/2"

alternate tube in outer vertical rows a stay tube yes Working pressure by rules { front 102 lbs back 107 lbs

to combustion chamber tops: Material Steel Tensile strength —

nd thickness of girder at centre — Length as per rule —

apart — No. and pitch of stays in each — Working pressure by rule —



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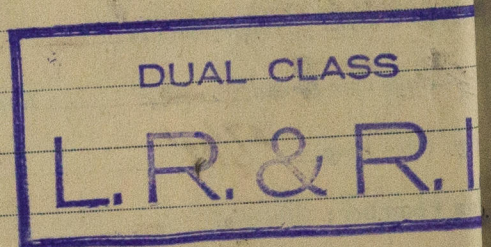
Crown stays: Material _____ Tensile strength _____ Diameter { at body of stay, _____ or over threads _____
 No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____
 Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part, _____ or over threads _____ No. of threads per inch _____
 Area supported by each stay _____ Working pressure by rules _____ Are the stays drilled at the outer ends _____
 Tubes: Material steel External diameter { plain 2 1/2" stay 2 1/2" Thickness { 11 L.S.G. 11/32"
 No. of threads per inch 9 Pitch of tubes 4" x 3" 9/16" Working pressure by rules 125 lbs
 Manhole Compensation: Size of opening in shell plate 12" x 16" Section of compensating ring 6" x 1 1/4" No. of rivets and
 of rivet holes: 36 a 2 7/32" Outer row rivet pitch at ends 4" Depth of flange if manhole flanged _____
 Uptake: External diameter _____ Thickness of uptake plate _____
 Cross Tubes: No. _____ External diameters { _____ Thickness of plates _____

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with yes

The foregoing is a correct description,

Dates of Survey { During progress of work in shops - - - - -
 while building { During erection on board vessel - - - - -
 Is the approved plan of boiler forwarded herewith (If not state date of approval.)
 Total No. of visits five

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) Please see also Genl Rpt. 1
This Donkey Boiler has been installed on board the
M. S. Tella and securely fastened. It has been fitted
for burning oil fuel and the installation has
made under special survey and in accordance
with Sect. 20 D of the Rules and tested satisfactorily
under working condition. The mountings have
been examined and found or put in order. The safety
valves have been adjusted to blow at 100 lbs and it
submitted the Boiler is eligible to have the Rules
of DBS 9.37 (made 1925 Refitted 1937)



Survey Fee ... Lrs 200 : } When applied for, 20/9/37
 Travelling Expenses (if any) £ ✓ : } When received, 29/12/37
4/1/38

R. J. Sparrow
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute FRI 15 OCT 1937
 Assigned See Trs 11818

