

REPORT ON BOILERS.

No. 14895

Received at London Office

JUN 24 1937

Writing Report 17/6/37.19 When handed in at Local Office 17/6/37.19 Port of GENOA.

Survey held at LA SPEZIA. Date, First Survey 2/6/37. Last Survey 5/6/37. 19xx

on the M/V. "FELLA" (Number of Visits Two) Gross 6072 Tons Net 3748

Trieste By whom built Stabilimento Tecnico Yard No. - When built 1926/3

made at Trieste By whom made Stabilimento Tecnico Engine No. - When made 1926

made at Glasgow By whom made Cochran & Co. Ltd Boiler No. 9254 When made 1925

"ITALIA" S.A. di NAVIGAZIONE. Port belonging to Venice.

ICAL DONKEY BOILER.

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

Surface of Steel 500 sq. feet. Is forced draught fitted - Coal or Oil fired Oil

Description of Boilers One Vertical Multitubular Boiler Working pressure 100 lbs/sq. inch

hydraulic pressure to 200 lbs/sq. inch Date of test Retest 5/6/37 No. of Certificate 16779

Firegrate in each Boiler - No. and Description of safety valves to each boiler Two Spring Loaded.

each set of valves per boiler per rule 5.43 sq. inch as fitted 9.8 sq. inch Pressure to which they are adjusted - Are they fitted with easing gear -

ether 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 - Smallest distance between base of boiler and tank top plating

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

Material Steel Tensile strength 28-32 tons/sq. inch Thickness 15/32" & 19/32"

shell plates welded or flanged No Description of riveting: circ. seams end Single inter. Double long. seams Double

ivet holes in circ. seams 27/32" Pitch of rivets 2" 1/8 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/sq. inch. Thickness of butt straps outer inner

own: Whether complete hemisphere, dished partial spherical, or flat Complete Hemisphere Material Steel

Strength 28-32 tons/sq. inch Thickness 27/32-13/32" Radius 39" Working pressure by rules 144 lbs/sq. inch

on of Furnace: Plain, spherical, or dished crown Spherical Material Steel Tensile strength 26-30 tons/sq. inch

External diameter top bottom Length as per rule Working pressure by rules

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

of stays over thread Radius of spherical or dished furnace crown 33" Working pressure by rule 125 lbs/sq. inch

of Ogee Ring 37/32" Diameter as per rule D 6'-6" d 66" Working pressure by rule 101 lbs/sq. inch.

on Chamber: Material Tensile strength Thickness of top plate

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

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

of stays over thread Working pressure of back plate by rules

Material Steel Tensile strength 26-30 Tons Thickness 13/16" Mean pitch of stay tubes in nests 12"x 10" 11/16

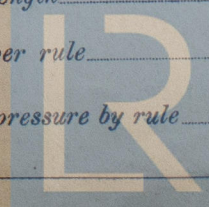
ising shell, Dia. as per rule front 72" 3/4 Pitch in outer vertical rows 4" Dia. of tube holes FRONT stay 2 11/16 BACK stay 2 1/2

alternate tube in outer vertical rows a stay tube Yes Working pressure by rules front 101.8 lbs/sq. in. back 107.5 " "

to combustion chamber tops: Material Steel Tensile strength

d 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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W36-0043

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 Thickness 11 L.S.G.
stay 2 1/2 11/32"
No. of threads per inch 9 Pitch of tubes 4" x 3"9/16 Working pressure by rules 125 lbs/sq.inch.
Manhole Compensation: Size of opening in shell plate 12" x 16" Section of compensating ring 6" x 11/16" No. of rivets and
of rivet holes 36-27/32" Diam. 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 Is the approved plan of boiler forwarded herewith (If not state date of approval.)
while building { During erection on board vessel Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The material of this boiler was made and tested in accordance with the requirements of the
(See Secretary's letter "E" of 8/6/37) - The boiler has now been opened out, examined internally
externally and found generally in good condition. The scantlings have been checked with plan
found in accordance with the Rule requirements for a working pressure of 100 lbs/sq.inch. The
was afterwards hydraulically tested to 200 lbs and found sound and tight at that pressure.
been despatched to Trieste where it is intended to be installed on board the Motor Vessel "E"
when this has been carried out, the safety valves adjusted to 100 lb/sq.inch and an accumulator
carried out to the satisfaction of the Society's Surveyors, the vessel will be eligible, in
to have the notation of N.D.B. 1925 Refitted 1937 W.P. 100 lbs.

DUAL SURVEY
L.R. & R.I.

Survey Fee ... £ 300.- : When applied for, 17/6/37.
Travelling Expenses (if any) £ 250.- : When received, 19

Committee's Minute FRI 15 OCT 1937

Assigned See Trs 11818

Shanfield
Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register
Foundation