

REPORT ON BOILERS.

No. 75707

Received at London Office

Date of writing Report

10

When handed in at Local Office

17.7.

1922 Port of

NEWCASTLE ON TYNE

TUE 18 JUL. 1922

No. in Survey held at

Date, First Survey

22 Feb. 1921

Last Survey

14 July

1922

Reg. Book.

(Number of Visits)

Gross

Tons

Net

on the

BADARPUR

Master

Built at Newcastle

By whom built R. W. Hawthorn Leslie & Co. Ltd.

When built 1921

Engines made at Newcastle-on-Tyne

By whom made R. W. Hawthorn Leslie & Co. Ltd.

When made 1922

Boilers made at do.

By whom made do.

When made 1922

Registered Horse Power

Owners Burmah Oil Co. Ltd.

Port belonging to Rangoon

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer & Sons Ltd.

(Letter for record 5.) Total Heating Surface of Boilers 1616 sq. ft. Is forced draft fitted yes No. and Description of

Boilers One single-end multitubular Working Pressure 180 lbs. Tested by hydraulic pressure to 320 lbs. Date of test 9.6.21

No. of Certificate 9569 Can each boiler be worked separately Area of fire grate in each boiler Oil-fires No. and Description of

safety valves to each boiler 2: Direct spring loaded Area of each valve 7.06 sq. in. Pressure to which they are adjusted 186 lbs.

Are they fitted with easing gear 400 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 24" Mean dia. of boilers 12'-6" Length 11'-6"

Material of shell plates Steel Thickness 1 1/8" Range of tensile strength 28/32 sq. in. Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams S.R. lap long. seams T.R. J.B.S. Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 8"

Lap of plates or width of butt straps 17 1/8" Per centages of strength of longitudinal joint rivets 90 plate 85.9 Working pressure of shell by

rules 187 Size of manhole in shell 16"x12" Size of compensating ring 39 1/2"x16"x1 1/2" No. and Description of Furnaces in each

boiler 3 Deighton's Material Steel Outside diameter 40 1/2" Length of plain part top bottom Thickness of plates crown bottom 15 1/2"

Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 181 Combustion chamber

plates: Material Steel Thickness: Sides 13/16" Back 32" Top 13/16" Bottom 7/8" Pitch of stays to ditto: Sides 10"x9" Back 9 1/2"x7 1/8"

Top 10"x9" If stays are fitted with nuts or riveted heads 7 nuts Working pressure by rules 25 3/4 Material of stays Steel Area at

smallest part 2.36 sq. ft. Area supported by each stay 900" Working pressure by rules 238 End plates in steam space: Material Steel Thickness 1 1/2"

Pitch of stays 24"x16" How are stays secured I.N. & W. Working pressure by rules 184 Material of stays Steel Area at smallest part 6.670"

Area supported by each stay 384 sq. ft. Working pressure by rules 192 Material of Front plates at bottom Steel Thickness 7/8" Material of

Lower back plate Steel Thickness 7/8" Greatest pitch of stays 15" Working pressure of plate by rules 229 Diameter of tubes 2 1/4"

Pitch of tubes 4"x3 7/8" Material of tube plates Steel Thickness: Front 7/8" Back 7/8" Mean pitch of stays 7 1/8" Pitch across wide

water spaces 14" Working pressures by rules 210 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 10"x1 1/2" Length as per rule 31 1/8" Distance apart 10" Number and pitch of Stays in each 2-9"

Working pressure by rules 250 Steam dome: description of joint to shell None % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type horizontal Date of Approval of Plan 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

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description.

Manufacturer

Dates of Survey During progress of work in shops - - -
while During erection on board vessel - - -
building

See Machinery Report

Is the approved plan of boiler forwarded herewith Yes.

Total No. of visits

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

This Auxiliary Boiler was built under Special Survey and the materials and workmanship are good.
For recommendations, see accompanying Sheet.

Survey Fee ... £ See accompanying report When applied for, 19.

Travelling Expenses (if any) £ : When received, 19.

Committee's Minute

Assigned

FRI. JUL. 21 1922

W. H. Austin. R. Lee Amear. 2020
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

002485-002489-011