

REPORT ON BOILERS.

No. 11094

Date of writing Report 23rd Nov. 1921 When handed in at Local Office 2nd Dec. 1921 Port of Southampton
 No. in Survey held at Pontimouth Date, First Survey 17th February Last Survey 14th October 1921
 Reg. Book. on the S.S. "NASSA" (Number of Visits 18) Gross Tons 18 Net Tons 18

Master Devonport Built at Devonport By whom built H.M. Dockyard When built 1921
 Engines made at Devonport By whom made H.M. Dockyard when made 1921
 Boilers made at Pontimouth By whom made H.M. Dockyard when made 1921
 NOMINAL Horse Power 522.76 Owners The Anglo-Saxon Oil Co. Port belonging to John Spencer & Sons Ltd
Thos. Piggott & Co. Ltd

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel John Spencer & Sons Ltd
 Letter for record S Total Heating Surface of Boilers 2556 Is forced draft fitted yes No. and Description of Boilers One Single Ended Working Pressure 180 lb Tested by hydraulic pressure to 320 lb Date of test 14-10-21
 No. of Certificate 358 Can each boiler be worked separately Area of fire grate in each boiler 63.3 No. and Description of safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are they fitted with easing gear yes 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 Mean dia. of boilers 15'-7 1/4" Length 11'-6"

Material of shell plates Steel Thickness 1 1/4" Range of tensile strength 28 to 32 Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams D.R.LAP. long. seams T.R. BUTT STRAP Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 9 1/8"

Lap of plates or width of butt straps 19 1/2" Per centages of strength of longitudinal joint 88.1 Working pressure of shell by rules 180.8 lb Size of manhole in 16" x 12" Size of compensating ring 7 flanged No. and Description of Furnaces in each boiler 3 Corrugated Material Steel Outside diameter 4'-2 3/16" Length of plain part top 19 1/2" bottom 32" Thickness of plates 19 1/2" bottom 32"

Description of longitudinal joint Welded No. of strengthening rings 1 Working pressure of furnace by the rules 188.1 Combustion chamber plates: Material Steel Thickness: Sides 2 1/2" Back 2 1/2" Top 2 1/2" Bottom 2 1/2" Pitch of stays to ditto: Sides 8 1/4" x 9" Back 8 1/4" x 8 1/2"

Top 9" x 10 5/8" If stays are fitted with nuts or riveted heads nutted on C.C. top Working pressure by rules 209.6 Material of stays Steel AREA 1.79 at smallest part 1.79 Area supported by each stay 74.25 Working pressure by rules 216.9 End plates in steam space: Material Steel Thickness 1 1/2"

Pitch of stays 21 1/4" x 20 1/2" How are stays secured DOUBLE NUTS Working pressure by rules 191 Material of stays Steel AREA 445.875 at smallest part 8.29
 Area supported by each stay 445.875 Working pressure by rules 193.4 Material of Front plates at bottom Steel Thickness 3 1/2" Material of lower back plate Steel Thickness 1 1/2" Greatest pitch of stays 13 1/8" x 8 1/4" Working pressure of plate by rules 239 Diameter of tubes 2 3/4"

Pitch of tubes 3 1/8" x 4" Material of tube plates Steel Thickness: Front 3 1/2" Back 3/4" Mean pitch of stays 9 1/8" Pitch across wide water spaces 13 5/8" Working pressures by rules 181 lb Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 10" x 1 1/4" Length as per rule 2'-11 1/2" Distance apart 10 5/8" Number and pitch of Stays in each 3-9"

Working pressure by rules 187 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear The foregoing is a correct description.

A. W. Reader Manufacturer. 10.14 10.1921

Dates During progress of work in shops: 17.24 1.10.15.24 28 18.24.31 8.30 19.8 7.23
 while building: 2. 3. 4. 5. 6. 7. 8. 9.
 Is the approved plan of boiler forwarded herewith No
 Total No. of visits 18

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

The Boiler has been built under Special Survey.
 The materials and workmanship are sound and good.
 The boiler is being sent to H.M. Dockyard, Devonport.

Survey Fee ... £ 10 : 14 : 3 When applied for, 28-7-22 from London.
 Travelling Expenses (if any) £ 2 : 13 : When received, 5/9/22

FRI. JUL 28 1922

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

FRI. 12 JAN. 1923

FRI. 26 JAN. 1923

TUE MAR 6 1923

Committee's Minute

Assigned



Lloyd's Register Foundation