

# REPORT ON BOILERS.

No. 41044

Received at London Office WED. APR 27 1921

Writing Report 21 April 1921 When handed in at Local Office 22.4.1921 Port of Glasgow  
 in Survey held at Glasgow Date, First Survey 9.3.1921 Last Survey 20.4.1921  
 on the manoeuvring Air Reservoir no 6349 for "Dumra" (Number of Visits 6) Gross Tons }  
 Net Tons }  
 Built at Bristol By whom built Chas Hill & Sons 10146 When built 1921  
Glasgow By whom made North British Steel Co Ltd When made 1921  
Glasgow By whom made South Slupdy Eng Co Ltd When made 1921  
 Owners Burgh Anna Ste Harb Port belonging to London

manoeuvring Air Reservoir  
~~TUBULAR BOILERS MAIN, AUXILIARY OR DONKEY.~~ — Manufacturers of Steel Wm Beardmore & Co Ltd

Total Heating Surface of Boilers  Is forced draft fitted  No. and Description of Boilers 3 In Reservoirs

Working Pressure 350 Tested by hydraulic pressure to 575 Date of test 20/4/21

Certificate 15787. Can each boiler be worked separately  Area of fire grate in each boiler  No. and Description of valves to each boiler

Area of each valve Pressure to which they are adjusted

They fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Least distance between boilers or uptakes and bunkers or woodwork INS Reservoirs Mean dia. of boilers 54" Length

Material of shell plates Steel Thickness 13/16 Range of tensile strength 28/32 Are the shell plates welded or flanged no

Type of riveting: cir. seams Lap long. seams ONS. OK. Diameter of rivet holes in long. seams 15/16 Pitch of rivets 1 1/2

Width of butt straps 9 9/16 Per centages of strength of longitudinal joint rivets 84 Working pressure of shell by plate 79.5

354. Size of manhole in shell END. 15 x 11 Size of compensating ring End flanged in. No. and Description of Furnaces in each

Material  Outside diameter  Length of plain part  Thickness of plates  crown  bottom

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

Material  Thickness: Sides  Back  Top  Bottom  Pitch of stays to ditto: Sides  Back

If stays are fitted with nuts or riveted heads  Working pressure by rules  Material of stays  Area, at least part

Area supported by each stay  Working pressure by rules  End plates in steam space: Material Steel Thickness 1 1/8

How are stays secured  Working pressure by rules off 350 Material of stays  Area at smallest part

supported by each stay  Working pressure by rules  Material of Front plates at bottom  Thickness  Material of back plate

Thickness  Greatest pitch of stays  Working pressure of plate by rules  Diameter of tubes

Material of tube plates  Thickness: Front  Back  Mean pitch of stays  Pitch across wide spaces

Working pressures by rules  Girders to Chamber tops: Material  Depth and thickness of at centre

Length as per rule  Distance apart  Number and pitch of Stays in each

Working pressure by rules  Steam dome: description of joint to shell  % of strength of joint

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

Working pressure of shell by rules  Crown plates  Thickness  How stayed

TYPE OF SUPERHEATER. Type  Date of Approval of Plan  Tested by Hydraulic Pressure to

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Pressure to which each is adjusted  Is Easing Gear fitted

FOR THE FORTH SHIPBUILDING & ENGINEERING CO. LTD  
 (LINDSAY BURNETT'S BOILER WORKS)  
 The foregoing is a correct description, Sinclair & Co Manufacturer.

During progress of work in shops - - - 1921 Mar 9. 17. 31 Apr 6. 13. 20 Is the approved plan of boiler forwarded herewith Yes.  
 During erection on board vessel - - - Total No. of visits 6

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
These reservoirs have been built under special survey.  
The workmanship & material is of good quality.

Survey Fee ... £ 8 : 8 : } When applied for, 22.4.21  
 Travelling Expenses (if any) £ : : } When received, 1.6.21 21.7.21

Committee's Minute  
 GLASGOW 26 APR 1921  
 TRANSMIT TO LONDON

Peter W. Chegor  
 Engineer Surveyor to Lloyd's Register of Shipping.  
 FRI. 13 OCT. 1922  
 See No. 78.10999  
 Lloyd's Register Foundation  
 W 239 00 29