

REPORT ON BOILERS.

No. 41041
WED. APR. 27 1921

Received at London Office

Date of writing Report 13/3/21 When handed in at Local Office 22/4/21 Port of Glasgow
 No. in Survey held at Paisley Date, First Survey 4/10/1920 Last Survey 30/3/1921
 Reg. Book. Boiler No. 688 for Philip Hon. Dartmouth Number of Visits 17 Gross Tons 582 Net Tons 582
 on the Boiler No. 688 Master By whom built By whom made When made 1921
 Engines made at Paisley By whom made A.S. Craig & Co. Ltd. When made 1921
 Boilers made at Paisley By whom made A.S. Craig & Co. Ltd. When made 1921
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Company of Scotland Ltd.

(Letter for record S) Total Heating Surface of Boilers 1844 Is forced draft fitted No. No. and Description of Boilers one SE return tube Working Pressure 180 lb Tested by hydraulic pressure to 360 lb Date of test 25/2/21
 No. of Certificate 15721 Can each boiler be worked separately Area of fire grate in each boiler 56.7 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 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No.
 Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 14-3 Length 10'-9"
 Material of shell plates S Thickness 15/32 Range of tensile strength 28/32 Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams Double long. seams Dr. butt Diameter of rivet holes in long. seams 1 1/4 Pitch of rivets 8 3/4
 Top of plates or width of butt straps 18 3/4 Per centages of strength of longitudinal joint 93.6 Working pressure of shell by rules 180 Size of manhole in shell 12 x 16 Size of compensating ring N. Rebo ring No. and Description of Furnaces in each boiler 3 Morris Material S Outside diameter 42.3 Length of plain part top bottom 17/32 Thickness of plates 182 Combustion chamber plates: Material S Thickness: Sides 27/32 Back 23/32 Top 23/32 Bottom 27/32 Pitch of stays to ditto: Sides 10 1/2 x 9 1/4 Back 9 x 8 13/16
 Top 10 x 9 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 210 Material of stays S over threads 13/16
 Area supported by each stay 97.2 Working pressure by rules 187 End plates in steam space: Material S Thickness 13/16
 Pitch of stays 19 x 19 How are stays secured d. nuts & washers Working pressure by rules 182 Material of stays S over threads 3"
 Area supported by each stay 361 Working pressure by rules 187 Material of Front plates at bottom S Thickness 13/16 Material of Lower back plate S Thickness 27/32 Mean pitch of stays 12 3/4 Working pressure of plate by rules 195 Diameter of tubes 3 1/2
 Pitch of tubes 4 3/4 Material of tube plates S Thickness: Front 13/16 Back 3/4 Mean pitch of stays 9 3/4 Pitch across wide water spaces 14 1/2 Working pressures by rules 204 Girders to Chamber tops: Material S Depth and thickness of girder at centre 2-8 1/4 x 7/8 Length as per rule 31 Distance apart 9 1/2 Number and pitch of Stays in each 2-9 1/2
 Working pressure by rules 224 Steam dome: description of joint to shell % 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 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

Survey request form

2542

attached

The foregoing is a correct description,

A. F. CRAIG & CO. LTD.

Manufacturer.

Dates of Survey During progress of 1920 Oct 4-11 Nov 9-17 Dec 2-17-21 (1921) Jan 11-14-21 Is the approved plan of boiler forwarded herewith Director yes
work in shops - - Feb 7-22-25 Mar 15-30
while building During erection on board vessel - -
 Total No. of visits 17

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

This boiler has been built under special survey and in accordance with the approved plan. The materials & workmanship are good.
 The boiler has been despatched to Messrs Philip Hon. Dartmouth.

Survey Fee ... £ 12 : 6 : When applied for, 19
 Travelling Expenses (if any) £ : : When received, 19

Committee's Minute

Assigned

GLASGOW 26 APR 1921

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. NOV. 11 1921

See Reg. No. 6110

002838-002845-0128