

Glasgow Reports No 6650 & 6442

No. 1594

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,

10 JAN. 84

LONDON

TESTS OF BOILER STEEL.

Tests of 232 Steel Plate manufactured by Messrs. J. M. Beardmore of Parkhead, Glasgow for Boiler No. 2073 to be constructed by Messrs. Dorman, Stearns & Co. Glasgow for Messrs. Burrell & Sons, P. P. No. 27 & 28.

Date first visit 19/11/83 last visit 3/12/83 No. of Visits 4

The Plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to samples as set forth below, and the temper and bending tests to a shearing from each plate, with satisfactory results.

No.	Purpose.	Charge Mark.	No. of plates or bars in same charge	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
	11/4 x 61 x 9/16	A345		453	.56	1.05	.588	16.65	28.2	31	
	4 3/8 x 27 x 5/8	A188		454	.62	1.3	.806	23.04	28.5	28	
	11/4 x 63 1/2 x 9/16	A176		506	.59	1.11	.654	18.9	28.8	30	
	11/4 x 61 x 9/8	B282		552	.62	1.3	.806	22.75	28.2	26	
	40 1/2 dia. x 9/16	B189		557	.54	1.43	.772	21.28	27.5	30	
	6" x 33 x 3/4	B282		560	.76	1.2	.912	25.1	27.5	32	
	4 3/8 x 27 x 5/8	D324		452	.63	1.3	.819	22.95	28	28	
	6" x 33 x 3/4	D89		589	.72	1.3	.936	25.88	27.6	20	
	5 1/2 x 84 x 7/16	D328		575	.46	1.48	.68	19.37	28.4	30	
	" " "	A357		579	.46	1.48	.68	18.8	27.6	27	
	9.0 x 60 x 7/16	A332		736	.46	1.3	.598	16.53	27.6	26	
	" " "	F355		696	.46	1.3	.598	16.44	27.4	28	
	8.9 1/2 x 60 x 7/16	F355		704	.47	1.3	.611	16.85	27.5	26	
	" " "	F355		705	.47	1.3	.611	16.86	27.5	21	
	" " "	A336		707	.47	1.3	.611	17.03	27.8	29	
	" " "	A335		703	.46	1.3	.598	16.73	27.9	26	
	11/4 x 56 x 5/8	K307		625	.66	1.3	.858	24.75	28.8	28	
	5 1/2 x 84 x 7/16	F326		619	.44	1.46	.642	18.35	28.5	26	
	" " "	F326		621	.46	1.44	.662	18.22	27.5	31	
	4 3/8 x 27 x 5/8	F350		1777	.61	1.3	.793	21.	26.4	28	
	6" x 33 x 3/4	A357		747	.73	1.3	.949	24.75	26.	29	
	6" x 33 x 3/4	F332		257	.75	1.01	.757	21.1	27.8	24	
	39 1/2 dia. x 9/16	A355		293	.58	1.26	.73	20.24	27.8	27	
	9.0 x 60 x 7/16	A391		341	.46	1.44	.662	19.2	29.	22	

Fee £ : :

Expenses £ : :

£ : :

To be paid by Messrs. J. M. Beardmore Glasgow

Surveyor, Lloyd's Register,

GLS200-0126

9/1/84

Mr Parker
10/1/84

D. Stewart & Co
SS 27/28



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Foundation