

Glasgow Report No 6803.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

No. 1643

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TESTS OF BOILER STEEL.

Tests of 250 Steel Plate manufactured by Messrs. J. & W. Macdonald of Parkhead, Glasgow for Boiler No. 285 to be constructed by Messrs. Denny & Co. of Dumbarton for Messrs. Wm Denny & Bros. L.L. No 282

Date first visit 27/12/83 last visit 16/2/84 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 39 samples as set forth below, and the temper and bending tests to a specimen 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.		
4.11/2 x 34 x 9/16	A402				1119	.58	1.3	.754	21.7	28.7	29
5.1 x 34 x 1/16	F444				1088	.7	1.3	.91	26.2	28.7	24
4.8/4 x 9 x 9/16	F473				1025	.58	1.	.58	16.	27.5	29
4.8/4 x 9 x 9/16	F371				1091	.56	1.53	.856	24.	28.	27
4.11/2 x 34 x 1/16	F386				1152	.66	1.31	.864	24.6	28.4	25
57 dia. x 3/4	F362				1052	.75	1.3	.975	26.9	27.5	26
14.5/2 x 48 3/4 x 3/4	F376				1025	.77	1.	.77	21.3	27.6	25
4.10 x 64 x 3/4	F357				1044	.73	1.28	.934	25.1	26.8	23
57 dia. x 3/4	F354				1122	.74	1.26	.932	25.6	27.4	26
57 dia. x 3/4	F384				1022	.75	1.28	.96	27.6	28.7	24
6.4 x 4.10 x 56 1/2 x 3/4	F392				1994	.75	1.24	.93	26.5	28.4	23
14.5/2 x 48 3/4 x 3/4	F376				1026	.75	1.3	.975	27.9	28.6	26
4.10 x 64 x 3/4	F381				1028	.77	1.24	.954	27.3	28.6	24
4.10 x 64 x 3/4	F340				1001	.76	1.28	.972	27.6	28.3	26
11.11 x 60 1/4 x 1/4	F329				1235	1.25	1.01	1.26	36.4	28.9	23
15.9/2 x 67 1/4 x 1/4	F380				1165	1.24	1.04	1.29	37.3	28.9	22
14.5/2 x 48 3/4 x 3/4	F370				1010	.76	1.32	1.	28.4	28.4	30
14.5/2 x 48 3/4 x 3/4	F376				1024	.76	1.31	.995	28.6	28.6	29
4.10 x 64 x 56 1/2 x 3/4	F321				1030	.74	1.32	.876	27.1	27.7	23
57 dia. x 3/4	F352				1131	.75	1.29	.967	27.2	28.1	26
4.9/4 x 20 3/4 x 1"	F390				1230	1.01	1.01	1.02	28.	27.4	27
4.9/2 x 20 3/4 x 1"	F353				1216	1.05	1.01	1.06	29.9	28.2	26
4.9/2 x 20 3/4 x 1"	F280				1214	.96	1.01	.969	26.7	27.5	26
4.9/2 x 20 3/4 x 1"	F324				1210	.98	1.03	1.01	28.9	28.6	27
4.9/2 x 20 3/4 x 1"	F366				1208	1.01	1.03	1.04	29.1	28.	26
9.9/2 x 63 1/4 x 9/16	F373				1041	.59	1.29	.761	21.8	28.6	28
6.4/2 x 34 x 9/16	K336				1967	.57	1.3	.741	21.1	28.4	24
10.1 x 63 1/4 x 9/16	A401				1014	.57	1.3	.741	20	26.9	25
10.1 x 63 1/4 x 9/16	K373				1015	.57	1.3	.741	20.5	27.6	23
5.11/2 x 34 x 9/16	F320				1189	.68	1.3	.884	25.	28.2	27
11.11 x 60 1/4 x 1/4	F335				1288	1.24	1.01	1.25	36.	28.8	25

For remainder of tests see No 2 sheet

2800-102579

D. J. 25/2/84

Fee £ : :

Expenses £ : :

£ : :

To be paid by Messrs. J. & W. Macdonald Glasgow

Surveyor, Lloyd's Register,

23/2/84