

No. 3856.



TESTS OF BOILER STEEL

Tests of 92 Steel Plate manufactured by Messrs D. Colville & Sons of Motherwell for Boiler No. 1522. to be constructed by Messrs The Barrow Shipbuilding Co. Barrow-in-Furness. for

Date first visit August 20th 1886 last visit No. of visits

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 10 samples as set forth below, and the temper and bending tests to a shearing from each plate

When a second test is applied, the result should be recorded immediately below the record of the original test. The number of plates or bars included in a rejection must be clearly stated.

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.		
1	14.2 x 25 1/2 x 7/8	A15	✓	4276	.55	1.82	1.001	27.80	27.7	27.0	
2	12.5 x 45 1/2 x 3/4	2942	✓	4292	.77	1.82	1.401	41.43	29.5	25.5	
3	8.1 x 62 x 3/4	M925	✓	4440	.78	1.92	1.497	39.06	26.0	29.0	
4	6.2 x 7 1/2 x 42.10 x 24 x 3/4	M854	✓	4468	.79	2.06	1.627	45.61	28.0	27.5	
5	17.5 1/2 x 64 1/2 x 1"	M771	✓	4534	1.01	1.83	1.848	57.58	27.9	33.0	
6	2.5 1/2 x 10 1/2 x 1 1/8	K775	✓	4758	.69	1.83	1.262	33.10	26.2	23.5	
7	12.3 x 57 1/2 x 2.5 1/2 x 10 1/2 x 1 1/8	K775	✓	4800	.69	2.27	1.566	44.30	28.2	30.0	
8	6.7 1/2 x 62 x 9/16	K785	✓	2463	.55	2.01	1.105	30.60	27.6	28.0	
9	5.2 x 25 1/2 x 1 1/8	7406	✓	4416	.69	2.21	1.524	45.72	30.0	25.0	
10	5.4 1/2 x 18 x 1"	M925	✓	4452	1.02	1.58	1.611	44.40	27.5	25.0	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

© 2021 H. McDougall Surveyor, Lloyd's Register, Glasgow 7.9.86