

No. 1449

(Received in London Office, 17/11/83)

TESTS OF BOILER STEEL.

Tests of 10.5 Steel Plates manufactured by Messrs. J & W Beardmore of Parkhead, Glasgow for Boiler No. 2003 to be constructed by Messrs. Duncan Stewart & Co of Glasgow for Messrs. Burrell & Sons' S.P.A. Nos 27 + 28

Date first visit 31/10/83 last visit 12/11/83 No. of Visits 5

The Plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 12 samples as set forth below, and the temper and bending tests to a shearing from each plate, with satisfactory results.

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.		
	70" x 9 1/2" x 3/4"	13299		1768	51	1 1/16	591	16.12	27.2	24	
	14 9 1/2" x 6 5/8" x 3/4"	7252		1782	74	1 1/4	917	25.67	27.9	35	
	5'0" x 70 1/2" x 3/4"	7313		1880	75	1 1/8	96	25.58	26.6	31	
	14'8" x 6 3/4" x 3/4"	A342		1865	74	1 1/8	947	26.41	27.8	28	
	15'2" x 67" x 3/4"	13253		1890	78	1 1/8	1014	29.1	28.6	29	
	5'0" x 70 1/2" x 3/4"	7311		1893	71	1 1/8	915	25.41	27.7	26.5	
	6'8 1/2" x 34" x 1/2"	8184		2716	5	1 1/4	72	20.31	28.2	31	
	6'9" x 98" x 1/2"	8313		1859	48	1 1/8	59	16.9	28.6	30	
	14'8" x 6 3/4" x 3/4"	13263		1825	79	1 1/16	906	25.1	27.7	24	
	9'6" x 44" x 1/2"	K319		1874	52	1 1/8	665	18.15	27.2	34	
	9'6" x 44" x 1/2"	8287		1040	51	1 1/8	703	19.94	28.3	25	
	6'4 1/2" x 34" x 1/2"	8312		2842	51	1 1/8	79	21.41	27.1	30	

23.
14/11/83

Fee £ : :
Expenses £ : :
£ : :

To be paid by Messrs. J & W Beardmore Glasgow
Surveyor, Lloyd's Register, Glasgow
GLS200-0128
12/11/83

Burchison
27228



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Foundation