

No. 8438

TESTS OF BOILER STEEL.

Tests of 10 Steel plates manufactured by *The Steel Co. of Scotland of Blocharn*
for Boiler No. 2122 to be constructed by *Nawthorn Leslie & Co. of Newcastle*
for *their S/S. No. 291*

Date first visit *4/9/88* last visit *22/9/88* No. of visits *2*

The *plates* specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to *7* samples as set forth below,
and the temper and bending tests *to a shearing off 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.	%	
1	End plate $\frac{1}{16}$	H.313		589	1.1	1.3	1.43	41.4	28.9	21.5	Cross piece
2	Shell $\frac{1}{16}$	M.310		668	1.26	1.39	1.751	52.15	29.7	23.5	
3	"	D.283		436	1.26	1.19	1.499	44.6	29.7	22	
4	End plate $\frac{1}{16}$	A.284		449	1.11	1.2	1.332	37.9	28.4	24	
5	Shell $\frac{1}{16}$	O.239		525	1.27	1.37	1.74	52.05	29.9	21.5	
6	9-32 + 32 + $\frac{9}{16}$	B.279		6309	.605	1.38	.835	23.9	28.6	23	Cross piece
7	" + " + " + "	H.213		6431	.645	1.4	.903	25.0	27.6	24	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.

Glasgow

22/9/88