

No. 8609

(Received at London Office)

12 SEP. 88

LONDON

TESTS OF BOILER STEEL.

Tests of 35-Steel plates manufactured by *The Steel Co. of Scotland* of *Glasgow*
for Boiler No. *2116* to be constructed by *Hawthorn Leslie & Co.* of *Newcastle*
for *their S/S. No. 287*

Date first visit *4/9/88* last visit *10/9/88* No. of visits

The specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to *5* samples as set forth below,
and the temper and bending tests *to a shearing off each plate with*
satisfactory results.

No.	Purpose. <i>Dimensions</i>	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	4-3½ x 21¾ x ¼	<i>Stake</i>		22	.84	1.16	.974	28.8	29.5	20.5	
2	5-2 7/8 x 14½ x -	<i>J.278</i>		33	.85	-	.986	28.5	28.9	29.5	
3	" " " " "	<i>K.297</i>		46	.875	1.28	1.12	36.3	32.4	18	<i>Rejected .6.</i>
4	6-9 x 38 x 7/16	<i>O.222</i>		40-44	.6	1.41	.846	24.0	28.3	26.5	
5	5-4 x 38 x 7/16	<i>L.289</i>		4061	.66	1.48	.977	28.4	29.0	24.5	
6	5-7½ x - x 7/16	<i>L.281</i>		4062	.57	1.16	.661	19.1	28.8	16.5	<i>Rejected .3.</i>
7	" " " " "	<i>F.257</i>		4071	.58	1.28	.745	21.4	28.8	28	
8	4-9 x 40½ x 7/16	<i>G.260</i>		4095	.71	-	.909	25.9	28.4	25.5	

DR
14/9/88

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register.

Glasgow