

S.S. 'Humida', W. Rpt. Report No. 5403.

No. 1145. LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office,

27 AUG 83 LONDON

TESTS OF BOILER STEEL.

Tests of 56 Steel plates manufactured by Mr D. Colville of Motherwell for Boiler No. 894 to be constructed by Messrs Blair & Co of Stockton-on-Tees for S.S. No 120 building by the Sunderland S.S. Co.

Date first visit 27th July/83 last visit 24 Augst/83 No. of Visits 4

The steel plates specified in the accompanying copy of Advice Notes were rolled from 21 charges. The tensile test has been applied to 7 samples as set forth below, and the temper and bending tests to a shearing taken from each of the plates advised, all of which proved satisfactory.

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.	Comb. chmbr. bR.	E411	1	2499	.472	1.4	.66	18.33	27.7	27.0	
2.	Furnace crown	E430	1	2514	.484	1.86	.9	26.12	29.0	27.0	
3.	Furnace straps	B869	16	2523	.43	1.11	.477	13.34	28.3	27.0	
4.	" crowns	9117	3	2527	.49	1.4	.686	19.2	27.9	27.0	
5.	Comb. chmbr. side	9108	9	2572	.482	1.508	.726	20.78	28.6	27.5	
6.	" " bR	H102	5	2649	.5	1.525	.762	22.38	29.3	25.5	
7.	bR tube plate.	F471	3	184	.85	1.845	1.568	44.78	28.5	28.0	

D.G. 27/8/83

Fee £ : : Expenses £ : : £ : :

To be paid by Mr D. Colville.

C. E. Burney, Surveyor, Lloyd's Register, 25/8/83 Glasgow