

No. 1607

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

(Received in London Office)

15 JAN 84

LONDON

TESTS OF BOILER STEEL.

Tests of 48 Steel plates manufactured by *Wm D. Colville* of *Motherwell*.
for Boiler No. *199* to be constructed by *The Wallsend S & E Co* of *Wallsend*.
for *S.S. No 471* building by *Messrs Armstrong, Mitchell & Co*.

Date first visit *14.12.83* last visit *31.12.83* No. of Visits *5*

The steel 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 sample 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. Dimensions	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' 7" dia x 1/2"	4585	-	4110	.375	1.718	.884	24.6	27.8	24.5	
2	10.8 x 47 x 1/2"	K18	-	3840	.5	1.718	.859	26.0	30.2	22.5	
3	6.10 x 30 1/2 x 1/2"	8850	-	3838	.495	1.718	.85	26.38	29.7	24.0	
4	9.2 x 57 x 1/2"	B28	-	3870	.53	1.718	.91	24.5	26.9	26.5	
5	6.7 1/2 x 61 x 7/16"	A205	-	3970	.425	1.718	.73	19.34	26.4	25.	
6	15.0 x 63 1/4 x 3/32"	C928.	-	4364	.82	1.861	.525	43.25	28.3	30.	
7	7.6 dia x 76 1/4 x 5/8"	K19	-	4426	.61	1.045	.637	18.86	29.6	25.	
8	8.4 x 78 x 17/32"	A207	-	4346	.52	1.83	.951	26.9	28.2	23.	
9	7.8 x 6 1/2 x 7/16"	M24	-	3776	.46	1.772	.815	23.0	28.2	26.5	
10	8.4 x 78 x 17/32"	B34	-	3096	.52	1.775	.923	26.55	28.5	25.5	
11	7.8 x 5 1/2 x 7/16"	A213	-	5250	.453	1.57	.711	18.9	26.5	24.5	
12	5.5 x 11 x 5/8"	9223	-	6250	.607	1.958	1.188	34.	28.9	28.	

Fee £ : :
Expenses £ : :
£ : :

To be paid by *Wm D. Colville*

Surveyor, Lloyd's Register,

Glasgow 14/1/84

Armstrong Mitchell 471

Slipway 199

S.S. "Sagami Maru"
Proc. Report No. 144/24



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Foundation