

Lloyd's Register of Shipping.

Order: 1510/39%

Surveyors' Office, DÜSSELDORF.

This is to certify, that Fransz Schuell the undersigned surveyor to this Society tested in the works of Herrn. Vereinigte Stahlwerke & G. Stahl- & Walzwerke Thyssen of Weilheim (Ruhr) the annealed Siemens-Martin Boiler steel plates specified hereunder, ordered by Herrn. Harima Dockyard & Co. of Naha for the ship No. _____ Boiler No. _____ and that the results of tests were as are set forth below.

Batch-number.	Dimensions. <i>in mm in inches</i>			Intended for	Sample number	Charge-number	Tensile tenacity <i>kg. p. sq. mm</i>			Elongation in 200 mm. <i>in %</i>	Bending tests.		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered	
2	5815	2260	1 1/4"		11	3607	44/50	48.5	26	good	good		
					11			47.1	26	"	"		
2	"	"	"		12	"	"	48.3	30	"	"		
					12			48.1	24	"	"		
1	"	"	"		13	"	"	47.5	28	"	"		
					13			48.3	23	"	"		
1	"	"	"		14	"	"	47.2	29	"	"		
					14			47.0	25	"	"		
1	5715	"	"		1	5177	"	49.0	25	"	"		
					1			46.3	25	"	"		
1	"	"	"		6	5163	"	48.5	25	"	"		
					6			49.4	23	"	"		
1	"	"	"		8	5153	"	48.8	30	"	"		
					8			46.5	22	"	"		
1	"	"	"		9	"	"	48.2	26	"	"		
					9			46.2	25	"	"		
2	To sketch	"	7/8"		4	5159	41/47	44.3	27	"	"		
4	"	"	"		7	5151	"	46.2	27	"	"		
					7			43.9	27	"	"		
4	"	"	"		15	4715	"	42.9	30	"	"		
					15			43.8	26	"	"		
4	"	"	"		16	5151	"	43.7	27	"	"		
					16			42.6	27	"	"		

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—

"While the Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default, or negligence of the Surveyors, or other Officers or Agents of the Society."

N.B.—Material with less than 26 Tons tensile strength may not be used in the construction of boilers for classed vessels, unless specially sanctioned by the Committee.

1 Ton per square inch = 1,574 Kilo per square millimeter. 1 Kilo per square millimeter = 0,635 Tons per square inch.

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Batch-number.	Dimensions.			Intended for	Sample number	Charge-number	Tensile tenacity			Elongation in 200 mm. in %.	Bending tests		Remarks.
	Length.	Breadth.	Thick-ness.				As per rules.	Ord-ered.	By test.		Cold.	Tem-pered.	
6	2260	480	1 ²		5	5163	44/50	49.3	28	good	good		
4	1980	"	1 ²		10	4866	"	44.0	30	"	"		
4	"	"	1 1/4 ²		13	3604	"	48.3	23	"	"		
2	"	"	"		14	"	"	44.2	29	"	"		
					14	"	"	44.0	25	"	"		
4	2260	480	"		13	"	"	48.3	23	"	"		
1	3330	1300	3/4 ²		3	5151	44/44	43.3	28	"	"		
1	To sketch	"	"										
1	1600	800	1 1/4 ²		14	3604	44/50	44.0	25	"	"		
1	950	850	"		2	5111	44/44	45.5	30	"	"		

Pinseldorf 6th March 1938.

J. Schnell
 Surveyor to Lloyd's Register



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