

Extract from Stockholm Surveyor's Steel Test Book

STEEL

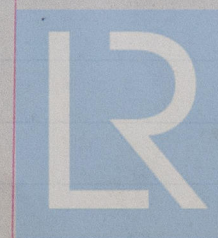
Date of Trial.	Where Tested.	Name of Builder of Ship.	Yard. No.	Description of Steel.	For what purpose intended.	Number of Sample.	Number of Plates or Angle Irons selected from.
March 1914 12 th 13 th	Avesta Steel Works			Piemens Mar- line steel	Air receiv- ers for Diesel Motors for Mons. Vérisols yacht.	1 2 3 4 5 6 7 8 9 10 11 12 13	1 1 1 1 1 1 1 1 1 1 1 1 1
May 1914 26 th	D.O.			S.M. Steel	D.O. for 250 BHP. Diesel En- gines.	1 1 2 2 3 3 4	1 1 1 1 1 1 1

TESTS.

Dimensions of Sample.			Breaking	Breaking	Elonga-		Bending		Results.	Remarks.
Br'dth	Thick- ness.	Area.	Strain of Sample.	Strain per Sq. Inch.	tion.	tion.	Temp. Hot or Cold	Diamet'r required		
mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.		
25.2	24.8	625	23,000	36.8	23.5	good	good			Crosswise
25.3	20.5	519	20,900	39.4	26.1	"	"			Lengthwise
25.7	20.7	532	21,000	37.8	25.9	"	"			Crosswise
25.4	24.2	615	23,600	38.4	26.4	"	"			Lengthwise
25.1	24.7	620	23,600	41.3	18.6	"	"			Crosswise. Broke at one end of test bar, but contraction superior.
24.2	25.0	605	24,550	40.6	28.0	"	"			Lengthwise
25.4	24.6	625	23,300	37.3	26.7	"	"			Crosswise
25.2	24.4	615	23,800	38.7	18.1	"	"			Test bar broke at one end, but contract- ion good.
25.5	24.4	622	23,100	37.2	30.5	"	"			Crosswise
25.0	15.0	375	14,200	37.9	25.2	"	"			Lengthwise
25.4	29.4	748	28,000	37.4	28.0	"	"			Crosswise
26.1	25.0	652	26,100	40.1	24.9	"	"			Lengthwise
25.4	25.0	635	24,700	38.9	29.0	"	"			Crosswise
30.0	16.35	505	20,400	40.4	25.5	"	"			Crosswise
30.1	17.15	516.2	21,650	41.9	27.0	"	"			Lengthwise
30.0	14.75	442.5	18,400	42.3	27.5	"	"			Crosswise
30.1	14.70	442.5	19,200	43.3	25.5	"	"			Lengthwise
30.1	15.2	457.5	18,300	40.0	23.3	"	"			Crosswise
30.2	15.0	453.0	18,300	40.6	27.0	"	"			Lengthwise
30.2	24.8	749.0	28,800	38.5	26.0	"	"			Circular plate.

Stockholm 30th May, 1914

A. G. G. G.
Surveyor to Lloyd's Register



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Lloyd's Register
Foundation

W872-0105

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate,
Tee Bulb, or Channel.....

Forecastle Deck Stringer Plate, b'dth & t
Angle on ditto