

COPY.

Lloyd's Register of Shipping.



Hamburg Report Nr. 22443

Port of Düsseldorf

22nd September, 1936.

Order: Schb.1256/S.120781.

This is to Certify that

Heinrich Brüggemann

the undersigned Surveyor to this Society did at the request of

Messrs. Mannesmannröhren-Werke A.G. Abt. Rath of Düsseldorf-Rath test and inspect on the 17th August 1936 and subsequent dates at their works the undermentioned seamless Siemens-Martin Steel tubes, ordered by Messrs. Howaldtswerke A.G. of Kiel and destined for stock purposes.

Specification.

No. of tubes	Outs. diam.	Thickn. of shell
100 mtr.	95mm	5,0mm
50 "	121mm	5,5mm
50 "	152mm	6,0mm
50 "	216mm	8,0mm
50 "	241mm	8,5mm

Results of tests.

Sample No.	Tens. str. in kg.p.sq.mm	Elongation in 200mm
54	39,1	23,0%
55	39,1	25,0%
3	40,1	22,0%
4	40,1	30,0%
42	38,9	20,0%
43	38,5	23,5%
91	41,9	26,0%
93	42,0	25,0%
59	38,0	29,0%
67	38,4	26,0%

Expanding, flanging and flattening tests good.

The tubes have been inspected externally and so far as possible internally and 10% of them have been tested by hydraulic pressure to 75 atm. without signs of defects.

Identification marks: LLOYD

H. Brüggemann
Surveyor to Lloyd's Register

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