

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

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

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Society nor any Member of any of its Committees is 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 any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."

Lloyd's Register
Foundation

W21-014

Düsseldorf account No.: 952