

Lloyd's Register of Shipping ^{Dr. C.}



Port of Düsseldorf,
Breitestr. 67

30th May 1950.

Order No. 1818/50.
Works No. 10/4510.

This is to Certify that

Malte Berg, Josef Loogen and Heinrich Bruggemann
the undersigned Surveyor to this Society did at the request of
Messrs. Westdeutsche Mannesmannröhren A.G. of Rath
attend their Works at Rath on the 17th March 1950
for the purpose of inspecting and testing 15 seamless S.W. Steel pipes
tubes, details as below, to the order of Messrs. Bremer Vulkan of Vegesack
and intended for M/T "Atlanta".

The material has been manufactured in accordance with the
requirements of the Society's Rules.

All of these ^{pipes} tubes were examined, internally and externally, gauged
and checked for length and diameter by the undersigned and found
satisfactory.

^{All pipes} Ten per cent. of the total number were tested in the presence of the
undersigned to 650 lb. per square inch hydraulic pressure and showed no
sign of defect; the remainder are stated to have been tested by the Makers
with satisfactory results.

Samples were cut up and subjected to tensile, expanding, ~~crushing~~ flanging
and flattening tests with satisfactory results.

The ends of all the ^{pipes} tubes were ^{not} ground to facilitate examination.

PARTICULARS OF TUBES.

Number.	Length.	Diameter.	Thickness.	Description.
For particulars of pipes and results of tests see attached sheet.				

M. Berg, J. Loogen, H. Bruggemann
Surveyors to Lloyd's Register.

All tubes stamped:—

Fee £ : :

Signed advice note attached.

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."

COPY.

2nd sheet.

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Particulars of tubes.

No. of tubes	Outs. diam. mm	Thickn. of wall mm	Total length mtr.
7	121	5	51,8
8	89	5,5	60,1

Results of tests.

Sample No.	Yield point in kg.	Tensile strength p. sq. mm	Elongation % on 200 mm
722 strip spec.	32,6	41,9	20,0
723 " "	35,2	43,6	20,0
776 " "	30,3	40,5	20,5
777 " "	32,4	41,7	24,5



A. Pegg
J. Loogen
H. Jünigmann
Surveyors to Lloyd's Register of Shipping



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