

Lloyd's Register of Shipping.

Order: 1420/St
 Post: 92/2
 Test: 448/49/51/61

(Report on Vessel No. 9708

Port

Copenhagen

No. 3 3 3 3

SHIP FORGINGS OR CASTINGS

I have to report that the undermentioned ~~Iron~~ or Steel Forgings of ~~Castings~~, manufactured by Messrs. Witkowitz Bergbau & Eisenh. Gew. of Witkowitz for the Vessel No. 461, being built by Messrs. A.B. Götawerke of Göteborg have been inspected by me as set forth below and found to be, so far as can be seen, 1 built up rudder without plate, sound and free from defects

on Forgings or Castings

Lloyd's

Vienna, 13th February 1932

No. 4719 3658/59
 W.10.2.32

	1 rudder shaft	1 rudder spindle	arms
	STERN FRAME.	RUDDER FRAME	1 STEM 1
Material	Siemens Martin Ingot	Steel	
made	forged	forged	forged
annealed	annealed	annealed	annealed
Dimensions	289/285 Ø	334/230 Ø	to sketch
Process on Inspection	almost finished		
When Inspected	12. 11. 1931; 10. 2. 1932		
CASTINGS	No: 3658	No: 3659	
Tests on Standard Test Pieces.			
Impact Test—	29.2	29.6	29.2 31.4
Energy per square inch	39.5	36.8	38.2 31.6
Extension per cent.			
Bending Test—	180 degrees	good	
Angle before fracture			
Test—	---	---	---
Height from ground			
Hardening Test—	---	---	---
made according to Rules and found satisfactory			

SKETCHES OF FRAMES SHOWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS.

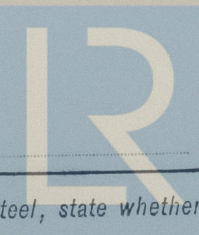
Rudder arm, to sk. Tens. str./sq": 30.2 with 35.5 % elongation
 " " " " 31.2 " 35.5 "
 " " " " 30.9 " 36.8 "
 " " " " 31.8 " 31.6 "
 lts 85 Ø

Bend tests good!

Fee (if any chargeable) £ : :

To be paid at VIENNA

If of Iron, state whether scrap or puddled Iron. If of Steel, state whether made on the Open Hearth process.



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Lloyd's Register
Foundation

005756-005778-0237