

# LLOYD'S REGISTER OF SHIPPING

Works No. 1/47 948  
Order No. 899/59 S. 498/499

## SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings ~~xxx Castings~~, as herein described, manufactured by Messrs. Klöckner Werke AG., of Osnabrück Georgsmarienwerke  
\*for the Engines No. being constructed by Messrs. J.L. Meyer, of Papenburg/Ems for the Ship No.498/499 being built by  
of

have been inspected by me as set forth below and found to be, so far as can be seen, sound and free from defects. These have been despatched to Papenburg

ITEM	One intermediate shaft	one intermediate shaft
Identification No.	LLOYD'S HNO 795 GS 24.6.59	796 GS 19.6.59
Surveyor's Initials.	G. S. Y.N <sup>o</sup> 498 ✓	/ Y.N <sup>o</sup> 499
Materials.	SM Steel	
Charge No.	56 210	
How made.	forged	
Heat treated.	yes	
xDimensions. Drawing No.	Ma 2a, part A	
Weight.	1090 kg each	
Progress on Insp.	rough machined	
Yield kg per sq.mm	28.0 28.0	29.3 28.6
Ult. kg per sq.mm	48.0 48.6	49.2 48.6
Elong. % on 4 V A	38.4 37.8	38.4 35.8
5 x d	33.4 32.4	34.4 31.0
Reduc. of Area %	61.3 61.3	57.7 61.3
Cold Bend.	180° satisfactory	
Brinell.	--	
Izod.	--	
Final date.	24.6.59	19.6.59

Date of approval of chemical analysis, physical properties and heat treatment in the case of special steels for reduction gearing forgings.

Other tests Analysis as stated by the manufacturers:-

Charge No.	C%	Si%	Mn%	P%	S%
56 210	0.21	0.30	0.77	0.016	0.016

Examined in the furnished condition found satisfactory

Fee:

Expenses:

21. July 1959

Received at

Signature of

G. Stockfleth, Date 21.7.59

\*Delete where not applicable.