

LLOYD'S REGISTER OF SHIPPING

Works No. 1/47 948
Order No. 899/59 S. 49/499

*SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report thatthe Forgings or Castings, as herein described, manufactured
by Messrs. Klöckner Werk AG., of Osnabrück
Georgsmarienwrke
*for the Engines No. being constructed by Messrs. J.L. Meyer
of Papenburg/Ems for th Ship No. 498/499 being built by
of

have been inspected by me as st 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	one intermediate shaft	one intermediate shaft
Identification No.	800	LLOYD'S HNO GS 19.6.59 801		802
Surveyor's Initials.	Y. N ^o 499	G. S. Y N ^o 499		
Materials.		SM Steel		
Charge No.		56 194		
How made.		forged		
Heat treated.		yes		
Drawing No.				
Dimensions.	Ma 2a, part A	Ma 2a, part B		Ma 2a, part B
Weight.	1090 kg	1100 kg		1100 kg
Progress on Insp.		rough machined		
Yield kg per sq mm	28.0 28.0	28.6 25.5		27.4 27.4
Ult. kg per sq mm	49.2 49.8	49.2 48.6		49.8 48.6
4 V-A	31.6 36.0	35.4 34.4		36.0 34.2
5 x d	28.3 31.4	30.6 30.3		32.0 31.9
Elong. % on		53.1 55.9		54.0 54.0
Reduc. of Area %	56.8 54.0			
Cold Bend.		180° satisfactory		
Brinell.		--		
Izod.		--		
Final date.		19.6.1959		

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

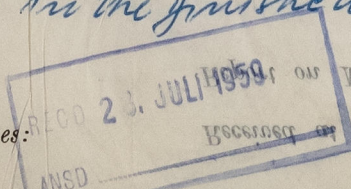
Analysis as stated by the manufacturers:
Other tests Charge No. C% Si% Mn% P% S%

56 194 0.25 0.28 0.60 0.021 0.019

mined in the finished condition found satisfactory

Fee :

Expenses :



Signature of

G. Stockfleth

Date 21.7.1959

*Delete where not applicable.

Surveyor to Lloyd's Register of Shipping