

LLOYD'S REGISTER OF SHIPPING

Works No. 1/47 949
Order No. 902/59 S.498/499

SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by Messrs. Klöckner Werke AG., of Osnabrück Georgsmarienwerke
*for the Engines No. being constructed by J.L. Meyer
of Papenburg 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 screw shaft with liner	LLOYD'S HNO	one screw shaft with liner
Identification No.	749	GS 22.7.59	750
Surveyor's Initials.	<i>Spare Y. No. 499</i>	G. S.	<i>working Y. No. 499.</i>
Materials.		SM Steel	
Charge No.		56 154	
How made.		forged	
Heat treated.		yes	
Drawing No.		Ma 2a, part C	
Dimensions.		1250 kg each	
Weight.		rough machined	
Progress on Insp.			
Yield kg per sq.mm	24.2	24.9	25.5 24.3
Ult. kg per sq.mm	44.6	44.2	44.8 44.8
Elong. % $\frac{4 \sqrt{A}}{d}$	40.0	39.4	30.2 41.2
Reduc. of Area %	34.0	34.9	29.6 35.1
Cold Bend.		180° satisfactory	
Brinell.		--	
Izod.		--	
Final date.		22.7.59	

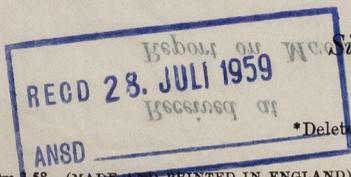
Date of approval of chemical analysis, physical properties and heat treatment in the case of special steels for reduction gearing forgings.

Identification marks on liners: 462 and 463 FK 8.6.59
Other tests: Analysis as stated by the manufacturers:-

Charge No.	C%	Si%	Mn%	P%	S%
56 154	0.20	0.32	0.57	0.013	0.029

Fee :

Expenses :



*Delete where not applicable.

[Signature]
G. Stockfleth Date 3.7.1959
Surveyor to Lloyd's Register of Shipping

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