

LLOYD'S REGISTER OF SHIPPING

44
10/45

*SHIP OR ENGINE FORGINGS OR CASTINGS

I have to report that the Forgings or ~~Castings~~ as herein described, manufactured by Messrs. Maschinenfabrik Augsburg-Nürnberg A.G. of Augsburg
 *for the Engines No. 402 044 being constructed by Messrs. Maschinenfabrik Augsburg-Nürnberg A.G. of Augsburg for the Ship No. - being built by The Estaleiros Navais of Viana do Castelo
 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 -

ITEM	One 8-throw solid forged crankshaft
Identification No.	LLOYD'S AUG 1484/6026 A 15.12.59 G.H.
Surveyor's Initials.	G.H.
Materials.	SM Steel C 40
How made.	forged
Heat treated.	yes
Dimensions.	to plan OD 12198
Weight.	2200 kgs.
Progress on Insp.	rough turned and finished machined
Yield kg per sq. mm	36.4 33.4
Ult. kg per sq. mm	60.2 59.6
Elong. % on 50 mm	29.4 28.2
Reduc. of Area %	45.9 44.8
Cold Bend.	180 degr. good
Brinell.	170 179
Izod.	- -
Final date.	15.12.1959

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

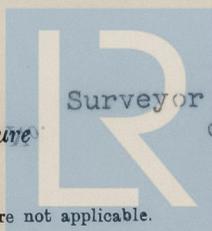
Other tests :

Fee :

Expenses :



Signature:



Surveyor to Lloyd's Register of Shipping.

Office on Date 10.2.60

*Delete where not applicable.

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."

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