

Lloyd's Register of Shipping.

Order: 5680.

(Report on Machinery, No. 22443 Port Hamburg)No. 3244 ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings ~~and Castings~~, as herein described, manufactured by Messrs. Dortmund-Hoerder-Hüttenverein A.G., of Dortmund for the Engines No. _____ being constructed by Messrs. Howaldtswerke A.G., of Kiel for the Ship No. _____, 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 Kiel-

Mark on Forgings or Castings.

Düsseldorf 21st September 1936.

Lloyd's

No. 3244.

P.S. 15.9.36.

	XXXXXXXXXX 1 single throw solid crank shaft XXXXXXXXXXXXXX	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.	SCREW SHAFT.
Material* ...	Siem. Mart. Ingot Steel				
How made ...	forged				
Annealed...	heat treated				
Dimensions } Weight } Forgings					
Weight, Castings ...					
Progress on Inspection	rough turned				
Tests on Standard Test Pieces. <u>1930</u>	14,9mm 10x4				
Tensile Test—	19,0				
Tons per square inch	32,8				
Extension per cent	24,0				
Old Bending Test—	190 degr. good				
Angle before fracture					
Dates when Inspected	15.9.36.				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

The material has been ordered to special requirements.—

Fee (if any chargeable)

To be paid at

Düsseldorf.

* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open-Hearth process.