

## Lloyd's Register of Shipping.

Order: 640181. (Report on Machinery, No. 20926 Port Hamburg.)No. 33428 ENGINE FORGINGS ~~OR CASTINGS~~

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by Messrs. Gutehoffnungshütte A.G. of Sterkrade for the Engines No. being constructed by of for the Ship No. 149, being built by Messrs. Deutsche Werft of Hamburg 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 Hamburg.

Mark on Forgings or Castings.

Lloyd's

Düsseldorf 18th April 1932.

No. 1350/1351/1353/1354/1355.

P.S. 15.4.32.

J. H. H. H. H.

	<del>XXXXXX</del> 1. intern. shaft <del>XXXXXX</del> 1350	<del>XXXXXX</del> 1. intern. shaft <del>XXXXXX</del> 1351	<del>XXXXXX</del> 1. intern. shaft <del>XXXXXX</del> 1353	<del>XXXXXX</del> 1 prop. shaft <del>XXXXXX</del> 1354	<del>XXXXXX</del> 1 prop. shaft <del>XXXXXX</del> 1355
Material* ...	Annealed	Siemens -	Martin Ingot	Steel	
How made ...	forged	forged	forged	forged	
If Annealed ...	Yes	Yes	Yes	Yes	
Dimensions, Forgings	450 mm Ø	450 mm Ø	450 mm Ø	400mmØ	400mmØ
Weight, Castings					
Progress on Inspection }	rough turned	rough turned	rough turned	rough turned	
Tests on Standard Test Pieces.	.798 3"	.798 3"	.798 3"	.798 3"	
Tensile Test— Tons per square inch	29,7	29,5	30,7	30,9	28,3
Extension per cent	31,2	32,0	30,6	31,3	36,0
Cold Bending Test— Angle before fracture	180 degr. good	180 degr. good	180 degr. good	180 degr. good	
Dates when Inspected	15.4.32.	15.4.32.	15.4.32.	15.4.32.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

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.