

## Lloyd's Register of Shipping.

(Report on Machinery, No. 22443 Port Hamburg)No. 1529 ENGINE ~~FORGINGS OR CASTINGS~~

I have to report that the ~~Forgings or~~ Castings, as herein described, manufactured by Messrs. Nordische Stahlwerke Bach & Co. of Neumünster for the Engines No.            being constructed by Messrs. Howaldtswerke A.G. of Kiel for the Ship No. 756, being built by Messrs. Howaldtswerke A.G. of Kiel 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.

Hamburg, 24th October, 1936.

Lloyd's

No. 7-8, 10-11, 20-22, 24P.K. 16.10.36.

Superheater Headers

*J.A. Muth*

	CRANK SHAFT 1 No. 7 FLYWHEEL SHAFT	TRUSS SHAFT 3 Nos. 8, 10-11	INTERMEDIATE SHAFT 3 Nos. 20-22	TUBE SHAFT 1 No. 24 SCREW SHAFT
Material* ...	O.H. steel	O.H. steel	O.H. steel	O.H. steel
How made ...	cast	cast	cast	cast
If Annealed...	yes	yes	yes	yes
Dimensions, Forgings				
Weight, Castings ...	240 kgs	743 kgs	741 kgs	240 kgs
Progress on { Inspection }	unmachined	unmachined	unmachined	unmachined
Tests on Standard Test Pieces.	3" .798"	3" .798"	3" .798"	3" .798"
Tensile Test— <del>Tensile Test</del>	48.1 kg/mm <sup>2</sup>	45.2 kg/mm <sup>2</sup>	46.6 kg/mm <sup>2</sup>	47.1 kg/mm <sup>2</sup>
Extension per cent	29.3	30.6	28.-	28.-
Cold Bending Test— Angle before fracture	120 degr. good.	120 degr. good.	120 degr. good.	120 degr. good.
Dates when Inspected	16.10.36.	16.10.36.	16.10.36.	16.10.36.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Drop and hammering tests good.

Fee (if any chargeable) £

To be paid at Hamburg

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