

Lpt. 7.

For the information of Surveyors and the Committee only.

Received at

Office,

19

Lloyd's Register of Shipping.

Order: 162730.

(Report on Machinery, No. 7328 Port Göteborg)

and Castings.

No. 26023. 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 Messrs. AB Götaverken of Göteborg for the Ship No. 413, being built by Messrs. A.B. Götaverken of Göteborg 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 Göteborg.

Mark on Forgings or Castings.

Düsseldorf 23rd December 1927.

Lloyd's

No. 270.

P.K. 22.12.27.

P. Kerkcher

1 built up four throw crank shaft.

	CRANK SHAFT	THRUST SHAFT	INTERMEDIATE SHAFT	2 webs
	1 crank throw	1 crank throw	1 crank throw	SCREEN SHAFT
Material*	Annealed	Siemens	Martin	Steel
How made	forged	forged	forged	cast
If Annealed	Yes	Yes	Yes	Yes
Dimensions, Forgings	350 mm Ø	350 mm Ø	350 mm Ø	
Weight, Castings				
Progress on Inspection	rough	turned and finished	rough	turned and finished
Tests on Standard Test Pieces.	.798	3" .798	3" .798	3" .798
Tensile Test—	30,5	30,9	28,9	31,1
Tons per square inch	32,0	30,6	30,6	30,0
Extension per cent	32,0	30,6	30,6	32,0
Cold Bending Test—	180 degr. good	180 degr. good	180 degr. good	120 degr. good
Angle before fracture	22.12.27.	22.12.27.	22.12.27.	22.12.27.
Dates when Inspected	22.12.27.	22.12.27.	22.12.27.	22.12.27.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

	1 pin	1 journal	1 journal	2 pins	1 pin
28,2 Tons p.sq.inch.	.798	.798	.798	.798	.798
34,6% Elongation.	3"	3"	3"	3"	3"
29,1	.798	.798	.798	.798	.798
29,5 Tons p.sq.inch.	3"	3"	3"	3"	3"
33,3% Elongation.	.798	.798	.798	.798	.798
31,8	3"	3"	3"	3"	3"
30,6%	.798	.798	.798	.798	.798
29,1	3"	3"	3"	3"	3"
37,3%	.798	.798	.798	.798	.798
29,3%	3"	3"	3"	3"	3"
32,0%	.798	.798	.798	.798	.798
32,0%	3"	3"	3"	3"	3"
30,6%	.798	.798	.798	.798	.798
30,6%	3"	3"	3"	3"	3"
31,1	.798	.798	.798	.798	.798
30,6%	3"	3"	3"	3"	3"
31,4	.798	.798	.798	.798	.798
31,4	3"	3"	3"	3"	3"

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.

5m.7.27.