

Rpt. 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

Gothenburg)

No. 25441.

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. A.B. Götaverken of Gothenburg for the Ship No. M.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.

Lloyd's

No. 7740.

M.B. 22.10.27.

Düsseldorf 26th October 1927.

1 four throw built up crank shaft.

	1 crank throw	2 crank throws	2 webs (cast steel)	1 journal
Material* ...	Annealed	Siemens Martin	Ingot	Steel
How made ...	forged	forged	forged	forged
If Annealed...	Yes	Yes	Yes	Yes
Dimensions, Forgings	350 mm Ø	350 mm Ø		350 mm Ø
Weight, Castings				
Progress on { Inspection }	rough turned & finished	rough turned & finished	rough turned & finished	rough turned & finished
Tests on Standard Test Pieces.	.798 3"	.798 3"	.798 3" .564 2"	.798 3"
Tensile Test— Tons per square inch	30,5 29,1	29,7 28,5	29,3 29,6	30,1 30,5
Extension per cent	32,0 33,3	30,6 31,0	32,0 39,8	32,0 32,0
Cold Bending Test— Angle before fracture	180 degr. good	180 degr. good	180 degr. good	180 degr. good
Dates when Inspected	22.10.27.	22.10.27.	22.10.27.	22.10.27.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

1 journal	.798 3"	28,3 Tons p.sq.inch.	33,3 % Elongation.
1 pin	.798 3"	30,5 " " " "	34,6 % " " " "
1 pin	.798 3"	30,8 " " " "	32,0 % " " " "
1 pin	.798 3"	29,5 " " " "	29,3 % " " " "
1 pin	.798 3"	31,8 " " " "	33,3 % " " " "
1 pin	.798 3"	30,6 " " " "	30,6 % " " " "
1 pin	.798 3"	29,7 " " " "	32,0 % " " " "
1 pin	.798 3"	29,9 " " " "	33,3 % " " " "
1 pin	.798 3"	30,1 " " " "	33,3 % " " " "

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.