

# Lloyd's Register of Shipping.

Order: **162672.** (Report on Machinery, No. \_\_\_\_\_ Port \_\_\_\_\_)

No. **25839** 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. **14** being constructed by \_\_\_\_\_ of \_\_\_\_\_ for the Ship No. **156**, being built by **Messrs. Kockums Mek. Verkstad** of **Malmö** 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 **Malmö**.

Mark on Forgings or Castings.

Düsseldorf 4th November 1927.

Lloyd's

No. **13210.**

K.H.3.11.27.

1 three throw built up crank shaft with pump throw.

	CRANK SHAFT		PISTON SHAFT		INTERMEDIATE SHAFT		KURB SHAFT	
	6 webs		1 journal		2 pins		2 pins	
	<del>KEYWAY SHAFT</del>						SCREW SHAFT	
Material * ...	Annealed		Siemens	Martin	Ingot	Steel		
How made ...	forged		forged		forged		forged	
If Annealed ...	Yes		Yes		Yes		Yes	
Dimensions, Forgings			360 mm ø		360 mm ø		360 mm ø	
Weight, Castings ...								
Progress on Inspection }	rough turned and finished		rough turned and finished		rough turned and finished		rough turned and finished	
Tests on Standard Test Pieces.	.798	3"	.798	3"	.798	3"	.798	3"
Tensile Test—								
Tons per square inch ...	30,5	30,1	31,6		31,8		30,4	29,7
Extension per cent ...	33,3	33,3	32,0		28,0		34,0	33,3
Cold Bending Test—								
Angle before fracture ...	180 degr. good		180 degr. good		180 degr. good		180 degr. good	
Dates when Inspected	3.11.27.		3.11.27.		3.11.27.		3.11.27.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

1 pin	.798	3"	29,5	Tens p.sq.inch.	32,0%	Elongation.
1 pin	.798	3"	28,1	" " " "	32,0%	"
	.798	3"	28,8	" " " "	33,3%	"
1 pump throw	.798	3"	29,5	" " " "	32,0%	"

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.

