

Rpt. 7

For the information of Surveyors and the Committee only.

Received at

Office,

15 APR 1935

19

Lloyd's Register of Shipping.

(Report on Machinery, No. *8303* Port *Manchester*)No. *F4012* ENGINE FORGINGS ~~OR CASTINGS~~.

I have to report that the Forgings or Castings, as herein described, manufactured by *Wessan Mitchell Shackleton & Co Ltd* of *Manchester* for the Engines No. *33354* being constructed by

of _____ for the Ship No. _____, being built by Yacht *"Lily Maid IV"* of _____

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

Mark on Forgings or Castings.

Lloyd's

No. *A*

No. as before & date.

for self: *A. R. Sneddon**George Anderson**Manchester*

	CRANK SHAFT. ONE - SIX THROW No 5089 FLY WHEEL SHAFT	THRUST SHAFT. DRIVING SHAFT	INTERMEDIATE SHAFT. DRIVEN SHAFT	TUBE SHAFT. CONN. RODS. SCREW SHAFT
		No 5593		
Material	<i>O.H. Eng. A Steel</i>	<i>O.H. Eng. A Steel</i>	<i>O.H. Eng. A Steel</i>	<i>O.H. Eng. A Steel</i>
How made	<i>Forged</i>	<i>Forged</i>	<i>Forged</i>	<i>Forged</i>
If Annealed	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>
Dimensions, Forgings	<i>4 1/2" diam & 3 1/2" high</i>	<i>3" dia (min)</i>	<i>2 1/2" dia (min)</i>	<i>1 7/16" dia</i>
Weight, Castings		✓	✓	✓
Progress on Inspection	<i>Inspected</i>	<i>Inspected</i>	<i>Inspected</i>	<i>Inspected</i>
Tests on Standard Test Pieces.				<i>5" H 1" H</i>
Tensile Test—				<i>No 5103 No 5140</i>
Tons per square inch	<i>31.0</i>		<i>30.4</i>	<i>43.6 47.2</i>
	<i>18.4</i>		<i>19.4</i>	<i>32.4 34.4</i>
Extension per cent	<i>39.0</i>		<i>29</i>	<i>26.0 26</i>
Cold Bending Test—				<i>Inspect Inspect</i>
Angle before fracture	<i>180° w. f.</i>		<i>180° w. f.</i>	<i>40.40.5" f. 69.97.60</i>
Dates when Inspected	<i>24.4.34 & 24.2.35</i>	<i>2-3-35</i>	<i>8-3-35</i>	<i>13-8-35 & 1-3-36</i>

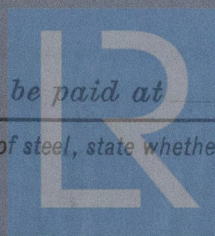
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £

To be paid at

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

10m.1.33.



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