

Lloyd's Register of Shipping.

(Report on Machinery, No. 93628 Port Mwe)

No. 5459. ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Siemens Martin Forge Co Ltd. of Dumbarton. for the Engines No. 919, being constructed by Dalmond Shipway Engineering Co Ltd of Dalmond, on, Clyde. for the Ship No. _____, being built by _____ 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 Siemens Martin Forge Co Ltd, Dalmond, on, Clyde.

H.A. James.

Glasgow 27/9/1935

Mark on Forgings or Castings.

Lloyd's
No. 5459 *✓* Test No.
H.A.1.

	CRANK SHAFT.	THRUST SHAFT. 8.	INTERMEDIATE SHAFTS	TUBE SHAFT.																				
	FLYWHEEL SHAFT.			SCREW SHAFT.																				
Material* ...	<i>Siemens Martin Special Steel</i>																							
How made ...	<i>Forged.</i>																							
If Annealed ...	<i>Yes.</i>																							
Dimensions, Forgings	<i>As per makers plan.</i>																							
Weight, Castings																								
Progress on Inspection	<i>Forging, Testing & Rough Machining.</i>																							
Tests on Standard Test Pieces. 3"	<table border="1"> <tr> <td>TEST Nos.</td> <td>819.</td> <td>820.</td> <td>821.</td> <td>822.</td> <td>823.</td> <td>824.</td> <td>825.</td> <td>826.</td> <td>827.</td> </tr> <tr> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </table>				TEST Nos.	819.	820.	821.	822.	823.	824.	825.	826.	827.		✓	✓	✓	✓	✓	✓	✓	✓	✓
TEST Nos.	819.	820.	821.	822.	823.	824.	825.	826.	827.															
	✓	✓	✓	✓	✓	✓	✓	✓	✓															
Tensile Test— Tons per square inch	<table border="1"> <tr> <td></td> <td>29.6</td> <td>31.8</td> <td>31.8</td> <td>31.2</td> <td>30.0</td> <td>30.4</td> <td>30.2</td> <td>29.4</td> <td>30.8</td> </tr> </table>					29.6	31.8	31.8	31.2	30.0	30.4	30.2	29.4	30.8										
	29.6	31.8	31.8	31.2	30.0	30.4	30.2	29.4	30.8															
Extension per cent	<table border="1"> <tr> <td></td> <td>32</td> <td>33</td> <td>33</td> <td>30</td> <td>33</td> <td>34</td> <td>33</td> <td>34</td> <td>30</td> </tr> </table>					32	33	33	30	33	34	33	34	30										
	32	33	33	30	33	34	33	34	30															
Cold Bending Test— Angle before fracture	<table border="1"> <tr> <td></td> <td colspan="3">180 NF.</td> <td colspan="3">180 NF.</td> <td colspan="2">180 NF.</td> </tr> </table>					180 NF.			180 NF.			180 NF.												
	180 NF.			180 NF.			180 NF.																	
Dates when Inspected	<table border="1"> <tr> <td></td> <td colspan="3">30/8/1935</td> <td colspan="3">To</td> <td colspan="2">27/9/1935.</td> </tr> </table>					30/8/1935			To			27/9/1935.												
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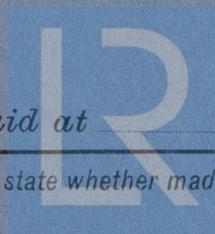
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

NIL (Vessel Classed)

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.



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