

# Lloyd's Register of Shipping

Report on Machinery, No. 21313 Port Leith

## No. F8542. ENGINE FORGINGS OR CASTINGS.

The words FORGINGS or CASTINGS should be struck out as may be required.

I have to report that the Forgings ~~or Castings~~, as herein described, manufactured by The Forge Co Ltd of Kirkcaldy for the Engines No. 335 (J.11827) being constructed by Messrs Henry Robb Ltd of Leith 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 Messrs Henry Robb Ltd, Leith.

Mark on Forgings ~~Castings~~

Lloyd's  
No. 8542, 8543, 8544, 8545  
3-12-43 J.F.C.

J.F. Campbell  
Leith, 22/12/43.

	<del>CRANK SHAFT.</del> 1-INTERMEDIATE SHAFT. N°8543 <del>FLYWHEEL SHAFT.</del>	<del>THRUST SHAFT.</del> 1-INTERMEDIATE SHAFT. N°8544	INTERMEDIATE SHAFT. N°8545	<del>ROBE SHAFT.</del> 1, SCREW SHAFT. N°8542.
Material* ...	<u>S.M. Ingot Steel</u>			
How made ...	<u>Forged</u>			
If Annealed ...	<u>Yes</u>			
Forgings (Dimensions)	<u>11 3/8" Dia.</u>			<u>13" Dia.</u>
(Weight)	<u>170 = 1-7</u>			<u>83 = 2-7</u>
Weight, Castings ...				
Progress on Inspection...	<u>Finish machined.</u>			
<b>TEST RESULTS.</b>				
Ultimate Tensile. Tons per sq. in...	<u>31.8</u>	<u>31.4</u>	<u>31.0</u>	<u>31.4</u>
Yield Point. Tons per sq. in...	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
Extension per cent. on <u>3</u> inches...	<u>29%</u>	<u>29%</u>	<u>29%</u>	<u>30%</u>
Red. of Area % ...	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
Cold Bending Test...	<u>180°</u>	<u>180°</u>	<u>180°</u>	<u>180°</u>
Dates when Inspected	<u>29/10/43 to 3/12/43</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £2-2-0

To be paid at Leith

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Monthly A/c. New Work

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