

For the information of Surveyors and the Committee only.

LEEDS TO Newcastle.

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 10

*415 B*

# Lloyd's Register of Shipping.

(Report on Machinery, No. \_\_\_\_\_ Port LEEDS)

## No. F.953 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Forgings or~~ Castings, as herein described, manufactured by Messrs. Hopkins Ltd. of Huddersfield for the Engines No. \_\_\_\_\_ being constructed by Messrs. Wallsend Slipway & Eng. Co. of Wallsend-on-Tyne 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 Wallsend-on-Tyne

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

Mark on ~~Forgings or~~ Castings.

**Lloyd's**  
No. 5059, U.302, U.321, U.342, 4906,  
5047, 5059, U.503. L.A.W. 1-11-46 to 13-12-46

*La Whyatt.*  
LEEDS January 29th, 1947

	CRANK-SHAFT.	THRUST-SHAFT.	INTERMEDIATE SHAFT.	TUBE-SHAFT.	FLYWHEEL-SHAFT.	SCREW-SHAFT.	
		<u>5059</u> 1 - 4" x 3 1/2" x 3 1/2" Branchpiece					
		1 - 3" x 2 1/2" x 2 1/2" x 2 1/2" Branchpiece					
		1 - 4 1/2" x 4" x 4" x 4" Branchpiece					
		1 - 3 1/2" x 3" x 3" Branchpiece					
Material* ...	<u>E.F. &amp; Conv. Steel</u>	<u>U.302</u> 1 - 1 1/2" "U" Valve Body.					
		1 - -do- Cover					
How made ...	<u>Cast</u>	<u>U.321</u> 1 - 3 1/2" Sat. Steam Stop Valve					
If Annealed...	<u>Normalised</u>	<u>U.342</u> 1 - -do-					
Dimensions } Forgings	-	<u>4906</u> 1 - 3 1/2" Boiler Stop Valve Cover.					
Weight } Castings	-	<u>5047</u> 1 - 3 1/2" Sat. Steam Valve Cover.					
Weight, Castings ...	<u>8 cwts 1 qr 9 lbs.</u>	<u>U.503</u> 1 - 4" x 4" x 1 1/4" x 1 1/2" Branchpiece.					
Progress on Inspection }	<u>Dressed.</u>						
<b>TEST RESULTS.</b>	<u>5059</u>	<u>U.302</u>	<u>U.321</u>	<u>U.342</u>	<u>4906</u>	<u>5047</u>	<u>U.503</u>
Ultimate Tensile. Tons per sq. in. ...	<u>30,9</u>	<u>29,5</u>	<u>30,2</u>	<u>30,4</u>	<u>38,4</u>	<u>32,4</u>	<u>29,6</u>
Yield Point. Tons per sq. in. ...	<u>18,2</u>	<u>15,6</u>	<u>17,5</u>	<u>17,8</u>	<u>24,5</u>	<u>18,6</u>	<u>15,6</u>
Extension per cent on ... 3 inches ...	<u>30,0</u>	<u>32,0</u>	<u>30,0</u>	<u>30,0</u>	<u>24,0</u>	<u>29,0</u>	<u>32,0</u>
Red. of Area % ...	<u>49,0</u>	<u>52,6</u>	<u>50,0</u>	<u>49,0</u>	<u>40,6</u>	<u>50,0</u>	<u>53,4</u>
Cold Bending Test... 130°	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>	<u>130°</u>
Dates when Inspected		<u>1-11-46</u>	<u>to</u>	<u>13-12-46.</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Hammer tests satisfactory.

Fee (if any chargeable) £3. 3. 0. Exp. 6/- Including F.952/4 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.



© 2020  
Lloyd's Register  
Foundation