

Received at

Office

23 AUG. 1939

Lloyd's Register of Shipping

(Report on Machinery, No. _____)

Port Hull

No. _____ ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. J. S. Foster & Son, Ltd. of Aylton Sunderland for the Engines No. 672 being constructed by Messrs. Ames & Smith Ltd of Hull 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. Ames & Smith Ltd. Hull.

Mark on Forgings or Castings.

Lloyd's

No. 1681. 1682.26th 21-8-39.S. E. GallowaySunderland.22.8.39

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...	<u>Sm. forged steel.</u>		<u>Sm. forged steel.</u>	
How made ...	<u>Forged.</u>		<u>Forged.</u>	
If Annealed...	<u>Heat treated</u>		<u>Heat treated</u>	
Dimensions } Forgings	<u>7 1/2" D.A.</u>		<u>8 1/16" D.A.</u>	
Weight	<u>29.3.4</u>		<u>16.2.21</u>	
Weight, Castings ...				
Progress on { Inspection }	<u>Rough machined</u>		<u>Rough machined</u>	
	<u>Test H. 454 A.</u>		<u>H. 455.</u>	
TEST RESULTS.				
Ultimate Tensile.				
Tons per sq. in. ...	<u>31.6</u>		<u>30.8</u>	
Yield Point.				
Tons per sq. in. ...	<u>—</u>		<u>—</u>	
Extension per cent				
on <u>2</u> inches ...	<u>35</u>		<u>32</u>	
Red. of Area % ...	<u>—</u>		<u>—</u>	
Cold Bending Test...	<u>180°</u>		<u>180°</u>	
Dates when Inspected	<u>11.7.39 to 21.8.39</u>		<u>↑</u>	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

These screws shaft replaced
for me from blocks +
traps placed in blocks
Copy of forged Rpt made
13/9/39

Fee (if any chargeable) Machinery etc 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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Thrust +
~~shape~~

S.S. K. "Gwate"

HILL REPORT 50477

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Foundation