

Lloyd's Register of Shipping.

(Report on Machinery, No. 94702 Port _____)

No. F.2257 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Messrs. Mitchell Shackleton & Co. Ltd. of Manchester. for the Engines No. 45300 being constructed by Messrs. National Gas & Oil Engine Co. of Ashton U Lyne. for the Ship No. 35, being built by Messrs. Clelands (Successors) Ltd. 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 Installed in Engine No 45300

Mark on Forgings or Castings.

Lloyd's
No. 7275
M.A.B. 9.12.36.

Mitchell *W.A. Black*

Manchester.
9.12.36.

	CRANK SHAFT. 1 - 3 D No 7275 FLYWHEEL SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT. 3 Conn. Rod Stampings made by Smethwick Stamping Co. Tests taken by Manchester Surveyors.	TUBE SHAFT. SCREW SHAFT.
Material*	O.H. Ingot Steel	O.H. Ingot Steel		
How made	Forged		Stampings.	
If Annealed...	Yes		Yes	
Dimensions } Forgings	2.3/8" Ps and Js.			
Weight } Forgings	3 qrs 4 lbs			
Weight, Castings				
Progress on Inspection	Finished Machined		Finished Machined.	
Tests on Standard Test Pieces.	7275		Stamped J.W.L. 19.12.36.	
Tensile Test—			34.4	
Tons per square inch	36.4		22.4	
Yield	21.2		33.0	
Extension per cent	29			
Cold Bending Test—			180° WF	
Angle before fracture	180°			
Dates when Inspected	20.11.36. 23.11.36. 9.12.36. 24.5.36. to 23.10.36. and 19.12.36			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) 5/-

To be paid at Manchester.

* 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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