

Sept. 7.

For the information of Surveyors and the Committee only.

Received at

Office,

19

# Lloyd's Register of British & Foreign Shipping

(Report on Machinery, No.

Port



No. 3403 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or Steel Forgings or Castings~~, as herein described, manufactured by The Tife Forge Co of Sinclairtown for the Engines No. 165 being constructed by Cooper & Greig Ltd of Dunfermline for the Ship No. 352, being built by Greenock & Gargamouth Ltd of Greenock have been inspected by me as set forth below, and found to be, so far as can be seen, sound & free from defects

on Forgings or Castings.

Lloyd's  
No. 3121  
N.D.H.

Tail shafts  
3350

Dennis Leck  
Leith

	CRANK SHAFT.			STRAIGHT SHAFTING. <u>4 1 Spare.</u>		
	THRUST SHAFT.			INTERMEDIATE SHAFTS.		
				PROPELLER SHAFT.		
Material	<u>SM Steel</u>			<u>AS 4 Steel</u>		
Form	<u>Forged &amp; mach'd</u>			<u>Forged &amp; mach'd</u>		
Size	<u>11" dia</u>			<u>11 3/4" dia</u>		
Finish	<u>Rough turned &amp; finished</u>			<u>Rough turned &amp; finished</u>		
Test—	<u>28.4 31.6 28.4</u>			<u>29.4 30.2</u>		
per square inch	<u>35. 33 32</u>			<u>35. 34</u>		
Extension per cent	<u>180° good</u>			<u>180° good</u>		
Bending Test—	<u>20/8 — 8 1/4/12</u>			<u>20/8 1/2 — 12/5/13</u>		
before fracture	<u>23/8 6 1/4/12</u>					
When Inspected						

## PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Iron Rods. SM steel. 30.8 tons — 32 %  
Steel Rods. SM steel. 28.0 tons — 33 %  
180° good 98 1/2  
96 1/2

Fee (if any chargeable) £  
To be paid at

If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

Thickness of girder at centre 9 1/4" - 1 1/2" Length as per rule 2' - 8 7/8" Distance apart 8 1/2" Number and pitch of stay bolts