

K. Lloyd's Register of British & Foreign Shipping.

Order 60445/60397 / (Report on Machinery, No. 60493.

Port

No. 15980. ENGINE FORGINGS OR CASTINGS

I have to report that the ~~xxxxx~~ Steel Forgings ~~xxxxx~~, as herein described, manufactured by Messrs. Haniel & Lueg of Düsseldorf for the Engines No. 2123 being constructed by North Eastern Marine Eng. Co. of Walsend 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.

1 Intermediate shaft.

Mark on Forgings or Castings.

Lloyd's
J.M.1.13.

Düsseldorf 7th January 1913.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...			Annealed S.M.I.St.	
How made ...			forged	
Dimensions ...			14 1/2" diam.	
Progress on Inspection }			rough turned	
Tests on Standard Test Pieces.			diameter .798"	
Tensile Test—				
Tons per square inch ...			28,1	
Extension per cent ...			32,6	
Cold Bending Test—				
Angle before fracture ...			180 degr. good	
Dates when Inspected			9. & 16.12.1912. 3. 1. 1913.	

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Fee (if any chargeable) £
To be paid at Düsseldorf

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

1811, 1812

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TEST	UNITARY TESTS	INTERMEDIATE TESTS	ADVANCED TESTS
1. Tensile Test	1. Tensile Test	1. Tensile Test	1. Tensile Test
2. Compression Test	2. Compression Test	2. Compression Test	2. Compression Test
3. Bending Test	3. Bending Test	3. Bending Test	3. Bending Test
4. Impact Test	4. Impact Test	4. Impact Test	4. Impact Test
5. Hardness Test	5. Hardness Test	5. Hardness Test	5. Hardness Test
6. Fatigue Test	6. Fatigue Test	6. Fatigue Test	6. Fatigue Test
7. Creep Test	7. Creep Test	7. Creep Test	7. Creep Test
8. Corrosion Test	8. Corrosion Test	8. Corrosion Test	8. Corrosion Test
9. Welding Test	9. Welding Test	9. Welding Test	9. Welding Test
10. Fracture Test	10. Fracture Test	10. Fracture Test	10. Fracture Test

2.W.I.13.

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Mark an 10 degree or (20 degree)

Disseldorf 17 January 1953.

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and the following data, which are not included in the above table, are also included in the above table.

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Background

Wesley. Herbert & Mary

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Dissejgoli

XXXXXXXXXX as XXXXXXXX described.

159251

ENGINE FORCING ~~XXXXXXXXXX~~

• ЗЕМЛЯ / ВЕСОЛЫЕ РАБОТЫ

Wichita, Mo.

1109

North Eastern Marine
Co. 9123
Intermediate Shafts

ing the 20th century, the 21st century is the century of the 21st century.

For the information of surveyors and the Committee only.

Lloyd's Register
Foundation