

For the information of Surveyors and the Committee only.

Received at

Office,

SEP - 20 1940

# Lloyd's Register of Shipping.

(Report on Machinery, No. 16892

Port

Middlesbrough)

## No. F8728 ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by Wolsingham Steel Co. Ltd of Wolsingham for the Engines No. being repaired constructed by Smiths Dock Co.

of for the Ship No., being built by

S/S Empire Endurance 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

Mark on Forgings or Castings

Lloyd's

No. 491

15.8.40

One Piston Rod

17.8.40

CRANK SHAFT.

THRUST SHAFT.

INTERMEDIATE SHAFT.

TUBE SHAFT.

FLYWHEEL SHAFT.

SCREW SHAFT.

Material\* ...

How made ...

Annealed... ..

Dimensions

Weight } Forgings

Weight, Castings ...

Progress on } Inspection

TEST RESULTS.

Ultimate Tensile.

Tons per sq. in. ...

Yield Point.

Tons per sq. in. ...

Extension per cent

on.....inches ...

Red. of Area % ...

Old Bending Test...

Dates when Inspected

8 1/2 In. Ingot Metal  
Forged  
per  
8 5/8 dia

Forging & Machining  
Test No 23

32.4

35%

180"

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

The above Forging was Machined and finished by the Sunderland Forge and Engineering Co. Ltd.

Fee (if any chargeable)

15/-

To be paid at

SUNDERLAND

Repair

\* If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process.



Lloyd's Register of Shipping

Middlebrough

(Report on Middlesbrough)

ENGINE FORCES OF CASTING

The following is a list of the engines of the various ships which have been built at the Middlesbrough Works since the year 1850, and which are now in service.

Engines of the various ships

The following is a list of the engines of the various ships which have been built at the Middlesbrough Works since the year 1850, and which are now in service.

1850

1850

1850

1850

1850

1850

1850

1850

1850

1850

1850

1850

1850

1850



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