

Lloyd's Register of Shipping.

(Report on Machinery, No. 8178 Port Gothenburg)

No. 2280 / I. ENGINE FORGINGS ^{AND} ~~OR~~ CASTINGS.

The words FORGINGS or CASTINGS should be struck out as may be required.

I have to report that the Forgings & Castings, as herein described, manufactured by Messrs. A.-B. Lindholmen-Motala of Motala Verkstad for the Engines No. 454⁹⁶⁴/₉₆₅ being constructed by Messrs. A.-B. Götaverken of Gothenburg for the Ship No. 488, being built by Messrs. Blohm & Voss of Hamburg 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 Gothenburg.

Mark on Forgings or Castings.

Lloyd's
No. 4689
GA 21.5.30

Gothenburg, 23rd May, 1930,

W. Brander

AFTER PART :

	2 CRANK WEBS 2 CRANK WEBS with counter weights	2 CRANK WEBS 2 CRANK WEBS.	2 CRANK WEBS 2 Crank webs with counter weights.	4 journal pieces 4 journal pieces 3 crank pins
Material* ...	S.M. Steel.	S.M. Steel.	S.M. Steel.	S.M. Steel.
How made ...	Cast	Cast	Cast	Forged.
If Annealed ...	Yes	Yes	Yes	Yes
Dimensions, Forgings	246 x 660 mm.	246 & 660 mm	246 x 660 mm	Diam. 404 mm.
Weight, Castings	—	—	—	—
Progress on Inspection }	Unmachined and finished.			Rough turned & finished.
Tests on Standard Test Pieces.				
Tensile Test— Tons per square inch	48.0 & 49.8	48.0 & 49.2	49.5, 49.2, 49.2	50.5 & 49.2
Extension per cent	34.0 & 31.0	34.0 & 33.0	32.0, 32.0, 31.0	29.0 & 31.0
Cold Bending Test— Angle before fracture	120° good.	130° good.	120° good.	180° good.
Dates when Inspected	9.4 & 21.5.30	22.3 & 21.5.30	2.4. & 21.5.30	2 & 9/4, 21/5/30

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

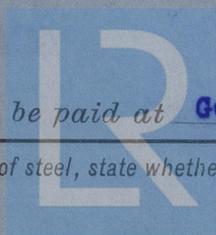
Drop and hammer tests good.

(Continued).

Fee (if any chargeable) £ —

To be paid at Gothenburg.

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



Rpt. 7.

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 10

Lloyd's Register of Shipping.

(Report on Machinery, No. 8178 Port Gothenburg)

No. 2280 / II ENGINE FORGINGS ~~OR~~ AND CASTINGS.

The words FORGINGS or CASTINGS should be struck out as may be required.

I have to report that the Forgings & Castings, as herein described, manufactured by Messrs. A.-B. Lindholmen-Motala of Motala Verkstad for the Engines No. 454⁹⁶⁴/₇₆₅ being constructed by Messrs. A.-B. Götaverken of Gothenburg for the Ship No. 488, being built by Messrs. Blehm and Vossen-Mo of Hamburg 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 Gothenburg

Mark on Forgings or Castings.

Lloyd's
No. 4690
GA 21.5.30.

Gothenburg, 23rd May, 1930,

L. J. Mander

FORWARD PART:

	2 CRANK WEBS WITH COUNTER WEIGHTS	2 CRANK WEBS.	2 CRANK WEBS WITH COUNTER WEIGHTS.	4 JOURNAL PIECES 3 CRANK PINS.
Material* ...	S.M. Steel.	S.M. Steel.	S.M. Steel.	S.M. Steel.
How made ...	Cast	Cast	Cast	Forged.
Annealed ...	Yes	Yes	Yes	Yes
Dimensions, Forgings	246 x 660 mm	246 x 660 mm.	246 x 660 mm.	Diam. 404 mm.
Weight, Castings	—	—	—	—
Progress on Inspection }	Unmachined and finished.			Rough turned & finished.
Tests on Standard Test Pieces.				
Tensile Test—	53.0 & 49.5	51.7 & 47.6	53.0 - 45.8	50.5 & 49.2
Extension per cent	29.0 & 36.0	29.0 & 34.0	29.0 - 36.0	29.0 & 31.0
Angle before fracture	120° good.	120° good.	130° good.	180° good.
Dates when Inspected	22/3, 2/4 & 21/5/30	26/2, 6/3, 21/5/30	22.3 & 21.5.30	2, 9/4 & 21/5 -30.

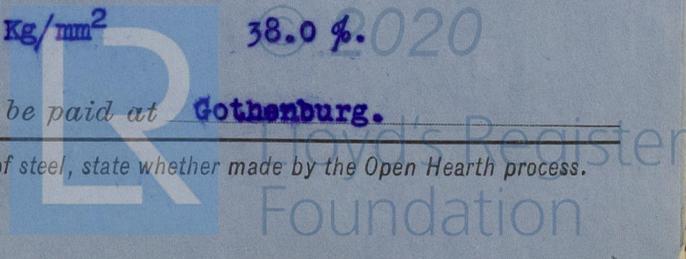
PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—
Drop and hammer tests good.

One compressor web: Tens. test 49.5 Kg/mm² Elong. 29.0% Bend test: 180° g. Lloyd's No. 4691 GA 21.5.30.

24 coupling bolts: 50.5 Kg/mm² 38.0%.

Chargeable (if any) £ — To be paid at Gothenburg.

* 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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