

Lloyd's Register of Shipping.

(Report on Machinery, No. 8/78 Port Gothenburg)No. 2279 ^{/1.} ENGINE FORGINGS ~~OR~~ ^{AND} CASTINGS.

I have to report that the Forgings ~~or~~ Castings, as herein described, manufactured by Messrs. A.-B. Lindholmen-Motala of Motala Verkstad for the Engines No. ~~454~~ ⁹⁶⁴ ~~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.

n Forgings or Castings.

Gothenburg, 19th May, 1930,

Lloyd's

No. 4685

1884 GA 17.5.30

AFTER PART:

Alf Mander

	2 CRANK KNICK webs with counter weights KNICK	THICK KNICK 2 CRANK WEBS. with counter weights.	KNICK 2 crank webs 3 crank pins. KNICK	KNICK 4 journal pieces 3 crank pins. KNICK
...	S.M. Steel.	S.M. Steel.	S.M. Steel.	S.M. Steel.
...	Cast	Cast	Cast	Forged.
...	Yes	Yes	Yes	Yes.
Forgings	As per plan.			Diam. 404 mm.
tings	—	—	—	—
}	Unmachined and finished.			Rough turned & finished.
andard ces.				
re inch	53.0 - 45.8	51.7, 51.1, 49.8	53.0 - 45.8	46.4 & 48.0
cent	29.0 - 36.0	29.0, 32.0, 34.0	29.0 - 36.0	30.0 & 28.0
Test—	120° good.	120° good.	120° good.	180° good.
ature				
ected	22.3 & 17.5.30	26.2 & 17.5.30	22.3 & 17.5.30	6.3 & 17.5.30

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Drop and hammer tests good.

(Continued).

chargeable) £ —

To be paid at Gothenburg.

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

Lloyd's Register of Shipping.

(Report on Machinery, No. 8178 Port Gothenburg)

No. 2279 ENGINE FORGINGS ~~AND~~ CASTINGS.

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. 454¹⁹⁶⁴₁₉₆₅ being constructed by Messrs. A.-B. Götaverken of Gothenburg for the Ship No. 488, being built by Messrs. Blehm & 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.

on Forgings or Castings.

Lloyd's
No. 4686
GA 17.5.30

Gothenburg, 19th May, 1930,

U. Mander

FORWARD PART:

	2 CRANK WEBS webs with counter weights FOR WHEEL CRANK	2 CRANK WEBS 2 CRANK WEBS	2 CRANK WEBS 2 crank webs with counter weights.	4 JOURNAL PIECES 4 journal pieces 3 crank pins. SCREW SHAFT
Material	S.M. Steel.	S.M. Steel.	S.M. Steel.	S.M. Steel.
Material made	Cast	Cast	Cast	Forged.
Material annealed	Yes	Yes	Yes	Yes.
Dimensions, Forgings	As per plan.			Diam. 404 mm.
Height, Castings	—	—	—	—
Inspection on Test Pieces.	Unmachined and finished.			Rough turned & finished.
Yield Test— per square inch	47.3 - 49.8	51.7, 51.1, 49.8	47.3 - 49.8	46.4 & 48.0
Tension per cent	31.0 - 32.0	29.0, 32.0, 34.0	31.0 - 32.0	30.0 & 28.0
Bending Test— angle before fracture	120° good.	120° good.	120° good.	180° good.
When Inspected	6.3 & 17.5.30	26.2 & 17.5.30	6.3 & 17.5.30	6.3 & 17.5.30

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Drop and hammer tests good.

One compressor web:	Tensile test. 49.8	Elongation. 32.8 %	Bend test. 180°	Lloyd's No. 4687 GA 17.5.30
24 coupling bolts:	50.5	38.0	180°	—

(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.