

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 10

Lloyd's Register of Shipping.

(Report on Machinery, No. 8959 Port Gothenburg)

No. 2354 ENGINE FORGINGS ^{AND} ~~OR~~ 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. ~~45491~~ ⁴⁵⁴⁹¹ ~~45492~~ being constructed by Messrs. A.-B. Götaverken of Gothenburg for the Ship No. 335, being built by Messrs. Caledon S.B. & E. Co., Ltd. of Dundee 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.

Forgings ~~or~~ Castings.

Gothenburg, 2nd September, 1930,

Lloyd's

No. 6508

EM 29.8.30

Port engine

E. Magnusson.

AFTER PART :-

	2 CRANK SHAFTS Webs with counter weights SCREW SHAFTS	2 CRANK WEBS.	2 CRANK WEBS.	2 CRANK WEBS with counter weight SCREW SHAFTS
Material	S.M. Steel.	S.M. Steel.	S.M. Steel.	S.M. Steel.
Condition	Cast	Cast	Cast	Cast
Inspected	Yes	Yes	Yes	Yes
Dimensions, Forgings	As per plan.		As per plan.	
Castings	---			
Condition on section	Unmachined and finished.			
Test on Standard Pieces.				
Test—	47.3 - 49.8	48.3 & 53.9	48.9 & 49.5	49.8 - 49.5
per square inch				
Extension per cent	35.0 - 33.0	35.0 & 31.0	35.0 & 32.0	30.0 - 34.0
ending Test—				
before fracture	120° good.	120° good.	120° good.	120° good.
When Inspected	2.4 & 29.8.30	10, 21/5, 29.8.30	10.4 & 29.8.30	28.5 & 29.8.30

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Drop and hammer tests good.

/CONTINUED/

5 journal pieces	Tensile test.	Extension.	Bend test.	Dates.
4 crank pins	48.6 & 48.0	34.0 & 38.6	180°	21.5 &
	kgs/mm ²	%	good.	29.8.30

Diam. 350 mm.

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.

004055-004061-0214 1/2

Lloyd's Register of Shipping.

(Report on Machinery, No. 8959 Port Gothenburg)

No. 2354 /II 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. 457961 ¹⁹¹¹ ~~1962~~ being constructed by Messrs. A.-B. Götaverken of Gothenburg for the Ship No. 335, being built by Messrs. Caledon S.B. & E. Co., Ltd. of Dundee 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.

Report on Forgings ~~OR~~ Castings.

Lloyd's
No. 6506/7
EM 29.8.30

Port copy

Gothenburg, 2nd Sept 1930

E. Magnusson.

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	As per plan.			Diam. 350 mm.
Weight, Castings	—			—
Progress on Inspection	Unmachined and finished.			Rough turned & finished.
Tests on Standard Test Pieces.				
Tensile Test—	47.3 - 49.5	48.9 & 49.5	48.0 - 52.3	48.6 & 48.0
kg per square mm				
Extension per cent	35.0 - 32.0	35.0 & 32.0	34.0 - 28.0	34.0 & 38.6
90° Bending Test—	2, 120° good. 30	10, 120° good. 30	120° good.	180° good.
Angle before fracture				
Tests when Inspected	2, 10/4, 29.8.30	10.4 & 29.8.30	10, 15/4, 29.8.30	21.5 & 29.8.30.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

Drop and hammer tests good.

1 compressor web: Tensile test, 46.4 kgs/mm² Extension. 28.6% Bend test. 180° good. Lloyd's No. 6506 EM 29.8.30

22 coupling bolts: 49.8 kgs/mm² 36.0% 180° good.

(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.

004055-004061-0214 1/2