

Order No. 560...29.3.1930.
Koda No. 78-06.2517.

Received at _____ Office, _____ 19

Lloyd's Register of Shipping.

(Report on Machinery, No. 8259 Port Gothenburg)

No. 1586. ENGINE FORGINGS & OR CASTINGS.

I have to report that the Forgings & Castings, as herein described, manufactured by Messrs. Limited Co., formerly The Skoda Works of Pilsen, C.S.R., for the Engines No. ⁹⁶¹/₉₆₂ being constructed by Messrs. A/B Götaverken, of Gothenburg, Sweden, for the Ship No. 450335, being built by Caledon Y.B. Eng. 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.

on Forgings & Castings.

Lloyd's

Prague, 9th September, 1930.

No. 8523.

1 BUILT-UP SEVEN-THROW CRANKSHAFT,
made in three sections, viz.:-
1 four-throw crankshaft, assembled of:

P. Kertscher.

K. 5.9.30.

	CRANK SHAFT	JOURNALS	CRANK PINS	CRANK WEBS
2	2 flang. end journals,	3	4	3
Test No.	3975, 4379,	4017-8, 4021,	3993-4, 3984, 4051,	239, 247, 248,
Material	Siemens	Martin	Steel	
How made	Forged.	Forged.	Forged.	Cast.
Annealed	Yes.	Yes.	Yes.	Yes.
Dimensions, Forgings	To drawing 116756, 350 mm diameter.			
Condition, Castings	Rough machined and finished.			
Pressure on Specimen				
Tests on Standard Test Pieces.				
Tensile Test—	31.4 29.7	31.2 33.6	32.0 31.4 32.3	30.4 29.2 29.2
Stress per square inch				
Extension per cent	35.0 37.0	34.0 35.0	34.0 35.0 34.0	35.5 30.2 32.9
Bending Test—				
Angle before fracture	180 degrees.	180 degrees.	180 degrees.	120 degrees.
When Inspected	7th May, 1930,	to		5th September, 1930.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:- Drop test 8' & hamm. t.

Description:	Test No.	How made.	Annealed ?	Tensile. ts.p.sq.in.	Extension. %	Bends.
crank web,	249,	Cast.	yes.	31.2	34.2	120 degr.
" "	252,	"	"	29.1	34.9	"
" "	253,	"	"	31.4	31.6	"
" "	254,	"	"	32.4	30.3	"
" "	258.	"	"	29.0	32.9	"

(if any chargeable) £

To be paid at Prague.

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

CONTINUED!

004055-004061-0212

Rpt. 7. For the information of Surveyors and the Committee only.

Order No. 2560...29.3.1930.
Skoda No. 78-06.2517.

Received at _____ Office, _____ 19

Lloyd's Register of Shipping.

(Report on Machinery, No. *8259* Port *Gothenburg*)

No. 1586. ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings & Castings, as herein described, manufactured by Messrs. Limited Co. formerly The Skoda Works of Pilsen, C.S.R., for the Engines No. ¹⁹⁶¹/₁₉₆₂ being constructed by Messrs. A/B Götaverken of Gothenburg, Sweden, for the Ship No. 456335, being built by Caledon J.B. & Eng. 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.

Mark on Forgings & Castings.

Lloyd's
No. 8524
P.K. 5.9.30.

Prague, 9th September, 1930.

P. Kerbacher

Stank wuj
1 three-throw crankshaft, assembled of:

	4 journals,	3 crank pins,	3 crank webs,	3 crank webs
Skoda Forg. & Test Nos. resp.	3974, 4179, 4022, 4023,	3990-1-2,	234, 235, 236,	241, 255, 261.
Material *	Siemens Martin Steel			
How made	Forged.	Forged.	Cast.	Cast.
Annealed	Yes.	Yes.	Yes.	Yes.
Dimensions, Forgings	To drawing No. 116756, 350 mm diameter.			
Weight, Castings				
Progress on Inspection	Rough machined and finished.			
Tests on Standard Test Pieces.				
Tensile Test—Tons per square inch	31.2 30,5 33,6	31,8 32,0	31,6 31,4 31,0	28,1 32,0 27,9
Extension per cent	36,0 37,0 35,0	34,0 34,0	28,3 31,6 27,6	34,2 32,9 38,2
Old Bending Test—Angle before fracture	1 8 0 degrees.		1 2 0 degrees.	
Dates when Inspected	7th May, 1930 to 5th September, 1930.			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS: Drop t. 8' & hamm. test.

Description.	Skoda Forg. No.	How Made.	Anneal.	Tensile. ts/sq. in.	Extens. %	Bends.	Marks for Identification.
1 single-throw solid forged	3988.	Forg.	Yes.	32,5	32,0	180°	8525.P.K.5.9.30.
Compr. Cranksh.	"	"	"	32,5	37,0	180°	LLOYD'S

Fee (if any chargeable) £

To be paid at Prague.

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

Remarks: Two dowel pins 50 mm diam. x 90 mm in length at the shrinking connection of every journal.

004055-004061-0022