

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 & 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. 456335, being built by Caldon & 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. Kerschner

	2 flang. end journals,	3 journals,	4 crank pins,	3 crank webs,
Koda Forg. Test No.	3975, 4279,	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.			
Test on { Inspection				
Tests on Standard Test Pieces.				
Tensile Test— Tensile strength per square inch	31.4 29.7	31.2 33.6	32.0 31.4 32.3	30.4 29.2 29.2
Elongation 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 Lloyd's 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 *Calidon & 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

1 three-throw crankshaft, assembled of:

	XXXXXXXXXX 4 journals,	XXXXXXXXXX 3 crank pins,	XXXXXXXXXX 3 crank webs,	XXXXXXXXXX 3 crank webs
Skoda Forg.& Test Nos.resp.	XXXXXXXXXX 3974, 4179, 4022, 4023,	3990-1-2,	234, 235, 236,	XXXXXXXXXX 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 ...	180	degrees.	120	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.							
21 Coupl. Bolts & 18 nuts.	"	"	"	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.

004055-004061-00122