



Inspection Certificate

Project: --

Client: **Carl Baguhn GmbH & Co. KG**
Hamburg / Germany

Office: **Hamburg**

Client's Order Number: **1-91539**

Date: **11 March 2015**

Order Status: **Complete**

Inspection Dates

First: **24 February 2015**

Final: **24 February 2015**

This certificate is issued to **the above client**, to certify that at their request the undersigned surveyor attended their works on the date shown for the purpose of examining the following component on completion of re-conditioning:

One - Reconditioned Crankshaft
for Oil Engine type: Sulzer 9S 20

Stamping:	ALFING US	M M
	BUD	FO 13151
	FO 13151	1-107.231.065
	CH.80915	200
	Lloyds	
	STU.300375	
	9. 93	

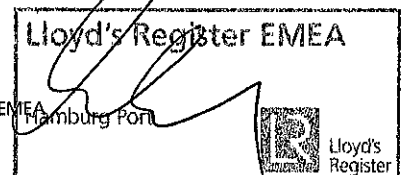
The following scope of inspection was carried out after completion of repair with satisfactory results:

- Review of LR Certificate No.: STU 0300375
- Identification of stamps and markings
- Workmanship and dimensional check, at random,

For identification purposes the crankshaft has been stamped: LR HAM 1500411 REC
02 WW 15

M. Pohl for W. Winter
Surveyor to Lloyd's Register EMEA Hamburg Port

/ds



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Messblatt / measurement record

Endkontrolle / final check

Auftraggeber / customer: Carl Baguhn GmbH & Co.

Motortyp / engine-type: Sulzer 9S 20

Schiffsname / vessel-name: Store

Motor-Nr. / engine-no.:

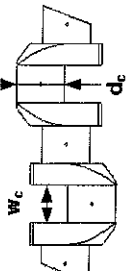
Kunden-Ref. / customer-ref.:

CBH-Auftrag / CBH-order: 1-91539

Durchmesser & Breiten- Kontrolle / diameter & width- check (Messwerte in mm / measure values in mm)

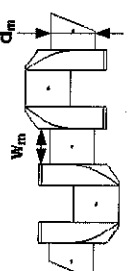
standard Ø = 170 mm vom Zahnrad aus

Kurbelzapfen / crankpin

		1	2	3	4	5	6	7	8	9	10
	Durchmesser / diameter (d _c)	169,00	169,00	168,99	168,99	169,00	169,00	169,00	169,00	169,00	169,00
	Breite / width (w _c)	80	80	80	80	80	80	80	80	80	80

standard Ø = 170 mm vom Zahnrad aus

Hauptlagerzapfen / main journal

		P.1	2	3	4	5	6	7	8	9	10	11
	Durchmesser / diameter (d _m)	169,00	169,00	168,99	169,00	169,00	169,00	169,00	169,00	169,00	169,00	169,00
	Breite / width (w _m)	98,27	100	100	100	100	100	100	100	100	100	100

Rundlaufkontrolle / trueness check

Die Rundlaufkontrolle ergab eine Abweichung von: / The trueness check resulted in a deviation of: 0,02 mm

Riss- Prüfung / crack test

Die Kurbelwelle wurde nach dem Magnetoflux- Verfahren äußerlich auf Risse geprüft. Eine Garantie bei evtl. Schäden wird nicht übernommen. The crankshaft has been outward cracktested according to the Magnetoflux- method. Any damage caused later on is not under guarantee.

Bemerkungen / remarks:

- Zählrichtung vom freien Ende ausgehend / counting from free end
- Zählrichtung von Kupplungsseite ausgehend / counting from coupling side

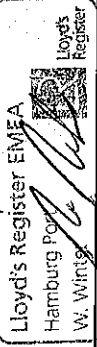
Messmittel / calibration tool: B 699, B 671, B787

Stempelung / stamping:

ALFING US	M M
BUD	FO 13151
FO 13151	1-107.231.065
CH.80915	200
Lloyds	
STU.300375	
9. 93	

*Stamp: RHM 1500441 REP
024415*

24/02/2015



Datum / date: 15.01.15

Bearbeitet durch: Gromke