

Test Certificate



Certificate No.: 71148 K / usg-Nitz
Page 1 of 1

General Data Wulf Johannsen KG GmbH & Co., Kiel
Supplier

Kiel 2008-04-09
Place of test Date of test

Item and Test One 8-throw-crankshaft
intended for diesel engine, Type SKL 8 NvD 48 A2

Extent of damage:
Light corrosive marks at all main and crank journals.

Repair:
All main and crank journals grinded and polished. End flange faced.
Measurements after polishing (see report of Messrs. Johannsen):
Main journal Nos. = ø 214,5 h6
Crank journal Nos. = ø 214,5 h6

Test:
General inspection and random check of dimensions.
Magnetic crack detection test of all journals after polishing.
Concentric running test.

Present Stamping: see backside of report of Messrs. Johannsen

As far as could be seen, the workmanship of the component during inspection / test has been to the satisfaction of the undersigned surveyor.


Additional Statements Sudoservice, A. Jeznach, Brookstieg 7, 22145 Stapelfeld
Intended for

-
Continue intended for

-
Customer order no.

-
Continue customer order no.

1007397/15
Manufacturer / Supplier order no.

add.
70148 K
REP
04  08

Stamping

We hereby certify that the item(s) described above was (were) tested in accordance with the mentioned test procedure(s) by our Surveyor.

Kiel, 2008-04-22
Place/Date



(SIEG)
Signature of GL Surveyor

1 Enclosures

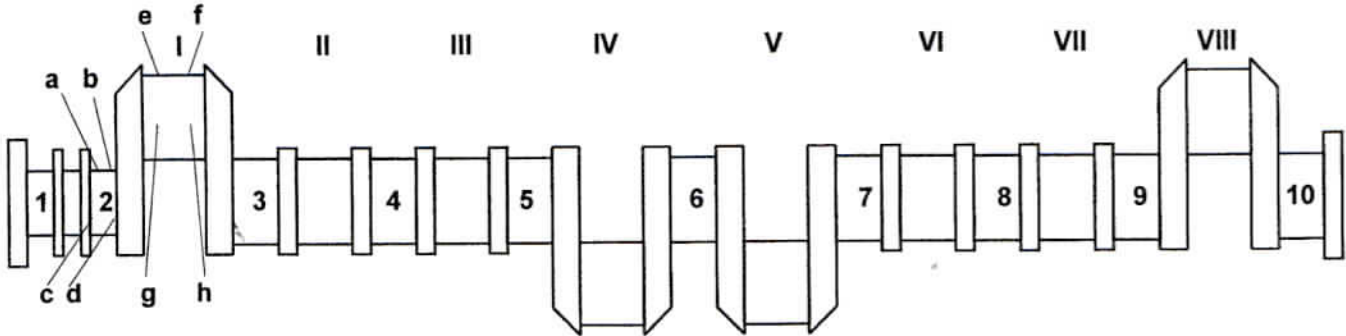
Messblatt



Kurbelwelle • crankshaft data sheet

Kunde: Client: Sudoservice A. Jeznach	Datum: Date: 2008-04-08
Kom.-Nr.: Com.-No.: 1007397/15	Motorfabrikat + Type: Engine make + type: SKL 8 NvD 48 A2
Anlage: Plant/ship:	Motor-Nr.: Engine-No.:
geprüft von: examined by: R. Petersen	Kurbelwellen-Nr.: Crankshaft-No.: 5226

Die Maße c-d und g-h sind an den jeweiligen Zapfen um 90° gemessen. All sizes c-d and g-h are measured on the journals on 90°.



Durchmesser der Grundlagerzapfen		Diameter of Main Journals										Original Ø 215-h6	
NR.		1	2	3	4	5	6	7	8	9	10		
a/b		214,50	214,48	214,49	214,49	214,49	214,49	214,49	214,49	214,50	214,50		
c/d		214,50	214,48	214,50	214,49	214,50	214,49	214,49	214,49	214,49	214,49		
Rundlauf		Alignment											
Härte der Grundlagerzapfen		Hardness of Main Journals											
HV		176	165	173	164	182	202	166	174	168	176		
Durchmesser der Kurbelzapfen		Diameter of Crank Pins								Original Ø 215-h6			
NR.		I	II	III	IV	V	VI	VII	VIII	IX	X		
e/f		214,48	214,49	214,49	214,48	214,49	214,49	214,50	214,49				
g/h		214,49	214,48	214,50	214,48	214,48	214,50	214,48	214,49				
Härte der Kurbelzapfen		Hardness of Crank Pins											
HV		161	178	184	193	183	182	179	185				

Die Kurbelwelle wurde auf Spezialmaschine nach Magnetofluxverfahren nach DIN 54130 äußerlich auf Risse geprüft.
The crankshaft was examined for cracks by special „Magnetoflux Method“.

Bemerkung/ Remarks:

Present Stamping see back side, no cracks detected,

Crank journals No. 1 - 8 ground -0,5mm td dia. 214,5-h6, Main journals

No. 1 - 10 ground -0,5mm to dia. 214,5-h6, Endflange faced

Ort/Place: Kiel

Datum/Date: 2008-04-08

Unterschr./Sign.: *i.A. k.*



2488
2008-04-08
[Signature]