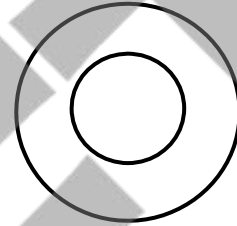
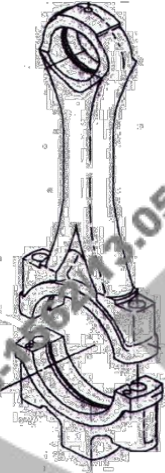
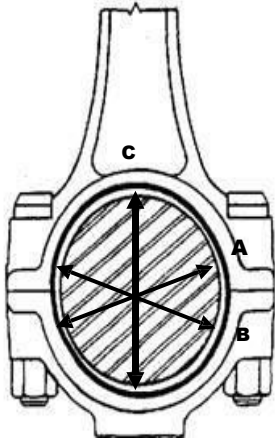





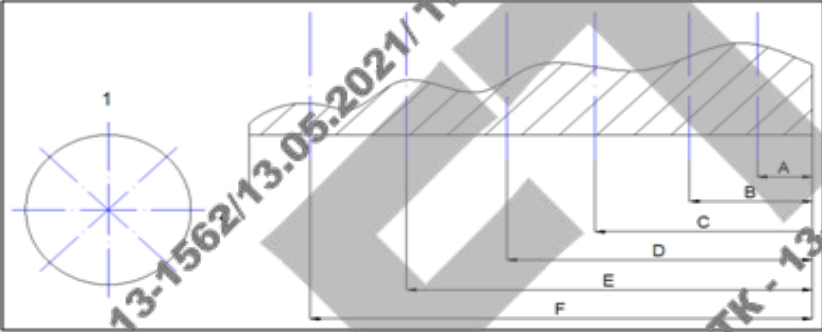
It's shipping & survey

Title: Conrod calibration		Job nr.: XXXX
Vessel : MLS XXXX		Insp. Date: XX/XX/20XX
Engine Maker: :DAIHATSU	Engine Type: DK-20	Serial Number: N/A
Engine Number. :A06K 20018	Running Hrs.: 81450	Operator: XXXX



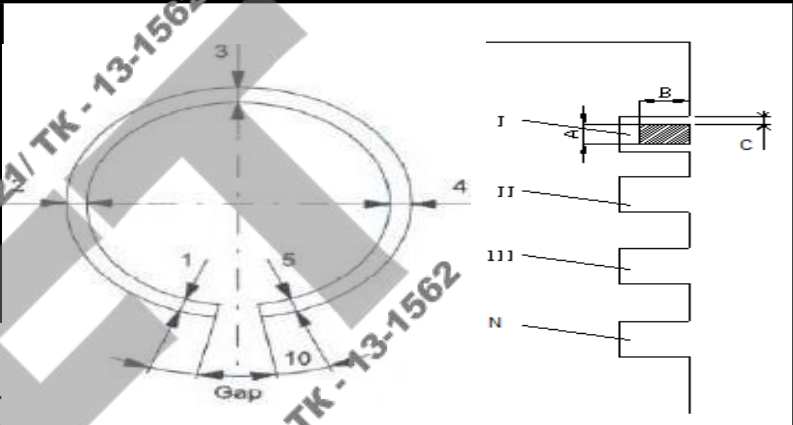
Measure points	Nominal dimension (mm)	Wear Limits (mm)	Position	Position n. (deviations from the nominal dimension in 1/100 mm)								
				Piston	1	2	3	4	5	6	7	
A1	181	not mentioned in manual (wear limit without bearing)	I	181.06	181.04	181.08	181.08	181.06	181.07			
A2			181.07	181.04	181.06	181.08	181.08	181.08				
B1			181.08	181.04	181.07	181.09	181.06	181.07				
B2			181.08	181.03	181.07	181.08	181.07	181.08				
C1			181.01	180	180	181.01	180	180				
C2			181.01	180	180.01	181.01	180	180				
D1												
D2												
E1												
E2												
F					I							
					II							
G			I									
			II									
STUNDS ELONGATION (mm)	NOT TAKEN		1									
			2									
Nominal dimension before working												
Nominal dimension after working												

Remark: NO#4 and NO#6 connecting rod replaced with new one because of ovality. All crankpin bearing replaced with new one -6 nos, there is no any reconditioning job done on connecting rod, same is reused except 4 and 6 which is brand new so there is only the requirement of initial reading

	Title: Cylinder liner Calibration		Job nr.: XXX																																																																																																																																																																																																
	Vessel: MLS XXXX		Insp. Date:XX-XX-20XX																																																																																																																																																																																																
Engine Maker: DAIHATSU	Engine Type: DK- 20		Serial Number: N/A																																																																																																																																																																																																
Engine Number: A06K20018	Running Hrs.: 81450		Operator: XXX																																																																																																																																																																																																
Deviations from reference diameter to be given in 1/100 mm.																																																																																																																																																																																																			
Nominal Diameter/ (mm)	200 MM																																																																																																																																																																																																		
Replacing Limit - 1 mm & correction limit -0.3 mm																																																																																																																																																																																																			
Max Ovality (mm)/																																																																																																																																																																																																			
																																																																																																																																																																																																			
Point of Measure/ (mm)	A	B	C	D	E	F																																																																																																																																																																																													
<table border="1"> <thead> <tr> <th rowspan="2">Liner No.</th> <th colspan="10">Cylinder No.</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> </thead> <tbody> <tr> <td rowspan="2">A</td> <td>ps</td> <td>200.29</td> <td>200.15</td> <td rowspan="10">D A M A G E</td> <td>200.1</td> <td>200.05</td> <td>200.05</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>fa</td> <td>200.25</td> <td>200.13</td> <td>200.1</td> <td>200.08</td> <td>200.16</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">B</td> <td>ps</td> <td>200.15</td> <td>200.12</td> <td>200.1</td> <td>200.05</td> <td>200</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>fa</td> <td>200.15</td> <td>200.12</td> <td>200.08</td> <td>200.05</td> <td>200.12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">C</td> <td>ps</td> <td>200.13</td> <td>200.1</td> <td>200.06</td> <td>200.02</td> <td>200.08</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>fa</td> <td>200.17</td> <td>200.1</td> <td>200.05</td> <td>200.03</td> <td>200.1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">D</td> <td>ps</td> <td>200.13</td> <td>200.1</td> <td>200.06</td> <td>200.02</td> <td>200.08</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>fa</td> <td>200.16</td> <td>200.1</td> <td>200.05</td> <td>200.02</td> <td>200.1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">E</td> <td>ps</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>fa</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ra</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Identification Stamping</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											Liner No.	Cylinder No.										1	2	3	4	5	6	7	8	9	10	A	ps	200.29	200.15	D A M A G E	200.1	200.05	200.05								fa	200.25	200.13	200.1	200.08	200.16								B	ps	200.15	200.12	200.1	200.05	200								fa	200.15	200.12	200.08	200.05	200.12								C	ps	200.13	200.1	200.06	200.02	200.08								fa	200.17	200.1	200.05	200.03	200.1								D	ps	200.13	200.1	200.06	200.02	200.08								fa	200.16	200.1	200.05	200.02	200.1								E	ps													fa													ra														Identification Stamping													
Liner No.	Cylinder No.																																																																																																																																																																																																		
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Remarks: NO#1 & NO#3 LINER REPLACED WITH NEW ONE BECAUSE OF DAMAGE AND OVALITY,ALSO NO#3 CYLINDER HEAD REPLACED WITH NEW ONE																																																																																																																																																																																																			
Signed:			Date:			Signed:			Date:																																																																																																																																																																																										



Title/Descrizione Modu: Piston	Job nr.: XXX
ring Vessel/: MLS XXXX	Insp. Date: XX/XX/20XX
Engine Maker: DAIHATSU	Engine Type/ : DK-20
Engine Number :A06K20018	Serial Number: N/A
Running Hrs. :81450	Operator:



All dimensions in mm

Remarks: NO#3 PISTON REPLACED WITH NEW ONE BECAUSE OF DAMAGE

MISURE DI RIFERIMENTO		Piston/Pistone n. 1					Piston/Pistone n. 2					Piston/Pistone n. 3				
		1	2	3	4	Gap	1	2	3	4	Gap	1	2	3	4	Gap
RING I	A	4.95	4.95	4.95	4.95		4.95	4.95	4.95	4.95		4.95	4.95	4.95	4.95	
	B	7.2	7.2	7.2	7.2		7.2	7.2	7.2	7.2		7.2	7.2	7.2	7.2	
	C	0.15	0.15	0.15	0.15		0.1	0.1	0.1	0.1		0.05	0.05	0.05	0.05	
	D					2					2					
RING II	A	4.95	4.95	4.95	4.95		4.95	4.95	4.95	4.95		4.95	4.95	4.95	4.95	
	B	7.1	7.1	7.1	7.1		7.1	7.1	7.1	7.1		7.1	7.1	7.1	7.1	
	C	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	
	D					1.25					1.35					
RING III	A	4.95	4.95	4.95	4.95		4.95	4.95	4.95	4.95		4.95	4.95	4.95	4.95	
	B	7.1	7.1	7.1	7.1		7.1	7.1	7.1	7.1		7.1	7.1	7.1	7.1	
	C	0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05		0.05	0.05	0.05	0.05	
	D					1.25					1.35					
RING IV	A	6.90	6.90	6.90	6.90		6.90	6.90	6.90	6.90		6.90	6.90	6.90	6.90	
	B	8.2	8.2	8.2	8.2		8.2	8.2	8.2	8.2		8.2	8.2	8.2	8.2	
	C	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	
	D					1.20					1.30					
RING V	A	6.90	6.90	6.90	6.90		6.90	6.90	6.90	6.90		6.90	6.90	6.90	6.90	
	B	8.2	8.2	8.2	8.2		8.2	8.2	8.2	8.2		8.2	8.2	8.2	8.2	
	C	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	
	D					1.20					1.30					



Title
: Piston ring

Job nr.:

Vessel/Nave : MLS
XXXX

Insp. Date: XX/XX/20XX

Engine Maker : DAIHATSU

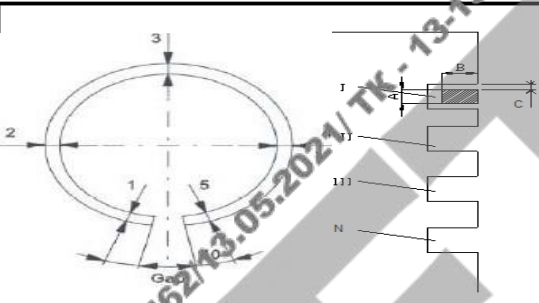
Engine Type/Tipo
Motore : DK 20

Serial Number:

Engine Number/Motore Nr.
:A06K20018

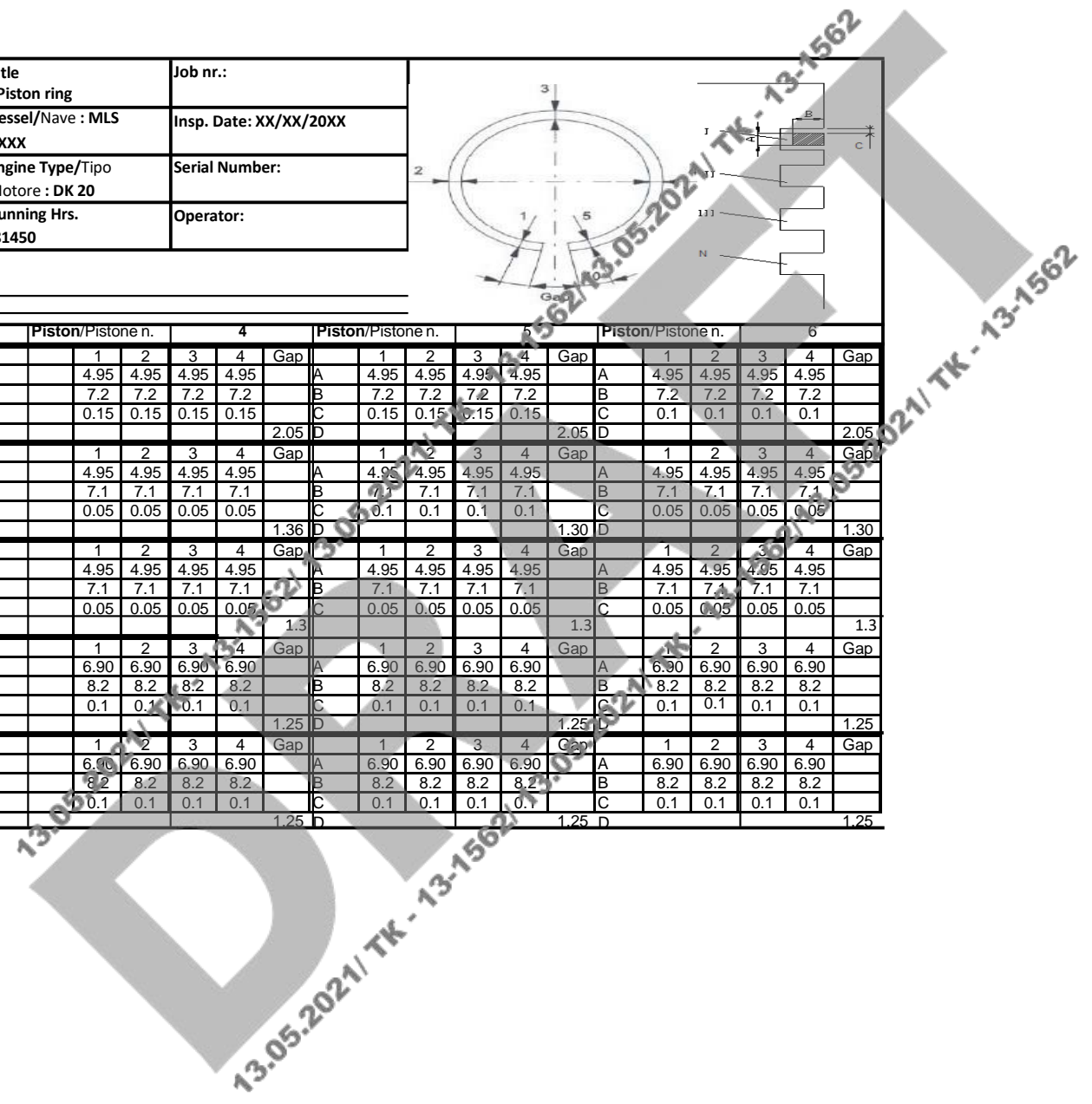
Running Hrs.
:81450

Operator:



All dimensions in mm
Remarks:

MISURE DIRIFERIMENTO		Piston/Pistone n. 4					Piston/Pistone n. 5					Piston/Pistone n. 6				
		1	2	3	4	Gap	1	2	3	4	Gap	1	2	3	4	Gap
RING I	A	4.95	4.95	4.95	4.95		A	4.95	4.95	4.95	4.95	A	4.95	4.95	4.95	4.95
	B	7.2	7.2	7.2	7.2		B	7.2	7.2	7.2	7.2	B	7.2	7.2	7.2	7.2
	C	0.15	0.15	0.15	0.15		C	0.15	0.15	0.15	0.15	C	0.1	0.1	0.1	0.1
	D					2.05	D					D				
RING II	A	4.95	4.95	4.95	4.95		A	4.95	4.95	4.95	4.95	A	4.95	4.95	4.95	4.95
	B	7.1	7.1	7.1	7.1		B	7.1	7.1	7.1	7.1	B	7.1	7.1	7.1	7.1
	C	0.05	0.05	0.05	0.05		C	0.1	0.1	0.1	0.1	C	0.05	0.05	0.05	0.05
	D					1.36	D					D				
RING III	A	4.95	4.95	4.95	4.95		A	4.95	4.95	4.95	4.95	A	4.95	4.95	4.05	4.95
	B	7.1	7.1	7.1	7.1		B	7.1	7.1	7.1	7.1	B	7.1	7.1	7.1	7.1
	C	0.05	0.05	0.05	0.05		C	0.05	0.05	0.05	0.05	C	0.05	0.05	0.05	0.05
	D					1.3	D					D				
RING IV	A	6.90	6.90	6.90	6.90		A	6.90	6.90	6.90	6.90	A	6.90	6.90	6.90	6.90
	B	8.2	8.2	8.2	8.2		B	8.2	8.2	8.2	8.2	B	8.2	8.2	8.2	8.2
	C	0.1	0.1	0.1	0.1		C	0.1	0.1	0.1	0.1	C	0.1	0.1	0.1	0.1
	D					1.25	D					D				
RING V	A	6.90	6.90	6.90	6.90		A	6.90	6.90	6.90	6.90	A	6.90	6.90	6.90	6.90
	B	8.2	8.2	8.2	8.2		B	8.2	8.2	8.2	8.2	B	8.2	8.2	8.2	8.2
	C	0.1	0.1	0.1	0.1		C	0.1	0.1	0.1	0.1	C	0.1	0.1	0.1	0.1
	D					1.25	D					D				

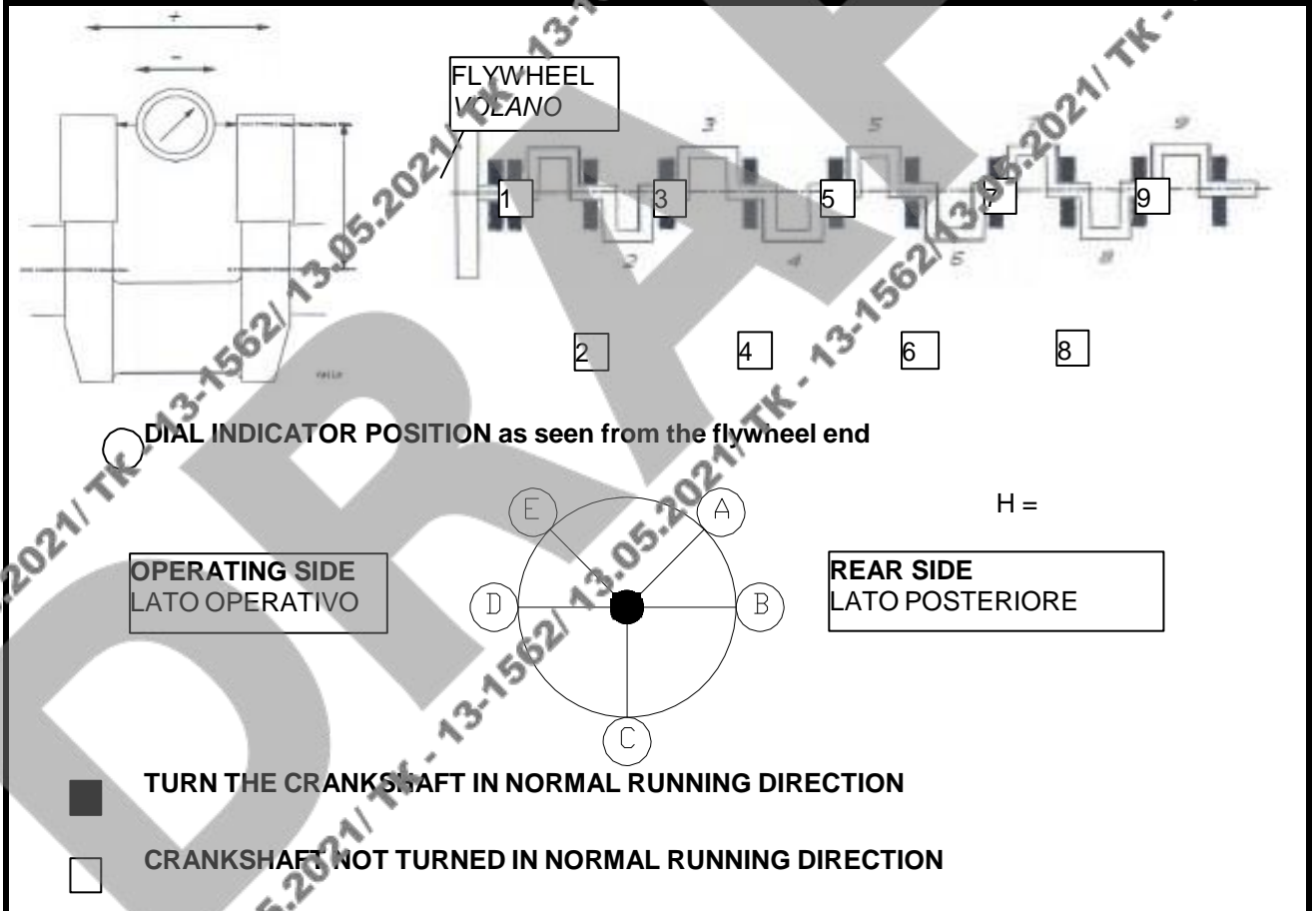




	Title: Engine deflections	Job nr. : XXX
	Vessel/Nave : MLS XXXX	Insp. Date:XX/XX/XX
Engine Maker: Hyundai	Engine Type: DK20	Serial Number :N/A
Engine Number/ :A06K20018	Engine Running Hours: 81450	Operator: XXX

Direction of rotation: CLOCKWISE COUNTERCLOCKWISE

ENGINE CONNECTED TO: <input checked="" type="checkbox"/> ALTERNATOR <input type="checkbox"/> GEAR <input type="checkbox"/> OTHER	ENGINE INSTALLED ON: <input type="checkbox"/> STEEL CHOCKS <input type="checkbox"/> CHOCKFAST <input type="checkbox"/> RUBBER CUSHIONS	CLUTCH: <input type="checkbox"/> ENGAGED <input type="checkbox"/> DISENGAGED
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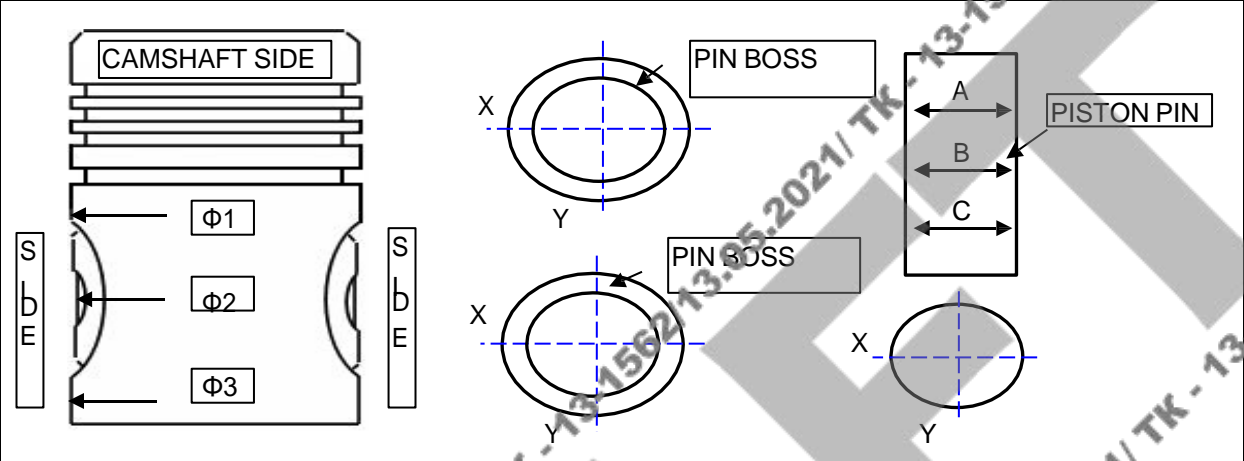


	CYLINDER No.								
	1	2	3	4	5	6	7	8	9
A	0.00	0.00	0.00	0.00	0.00	0.00			
B	+0.01	-0.03	-0.01	-0.01	-0.01	-0.01			
C	0.00	-0.02	-0.01	-0.01	0.00	0.00			
D	-0.01	0.00	0.00	+0.01	+0.01	+0.01			
E	0.00	+0.02	0.00	0.00	0.00	+0.02			

Remarks: After Overhuling

Operator:	Date	For acceptance
-----------	------	----------------

Title:	Job nr.:XXX	
Vessel/Nave : MLS XXXX	Insp. Date : XX/XX/20XX	
Engine Maker :DAIHATSU	Engine Type: DK-20	Serial Number: N/A
Engine Number :A06K20018	Running hours: 81450	Operator :



Piston elements Elementi pistone	Nominal dimension (mm) Dimensione nominale	Measure points Punti di misura	Piston n. Pistone n. (deviations from the nominal dimension-sostamenti da dimensione nominale in 1/100 mm)																		
			1	2	3	4	5	6	7	8	9	10									
Piston	200	Φ1	X	199.31	199.33		199.34	199.34	199.31												
			Y																		
		Φ2	X	199.94	199.89		199.91	199.92	199.91												
			Y																		
		Φ3	X	199.91	199.89		199.91	199.92	199.91												
			Y																		
Pin boss		SIDE A	X	90.06	90.06		90.06	90.06	90.06												
			Y	90.06	90.06		90.06	90.06	90.05												
		SIDE B	X	90.06	90.06		90.06	90.06	90.05												
			Y	90.05	90.06		90.06	90.06	90.05												
Piston Pin	90	A	X	89.98	89.97	89.98	89.98	89.98	89.98												
			Y	89.98	89.98	89.98	89.97	89.97	89.97												
		B	X	89.99	89.98	89.99	89.98	89.99	89.98												
			Y	89.99	89.98	89.98	89.98	89.99	89.99												
		C	X	89.99	89.97	89.98	89.97	89.98	89.97												
			Y	89.98	89.97	89.97	89.97	89.98	89.98												
<input type="checkbox"/> Nominal dimension before working <input type="checkbox"/> Nominal dimension after working/			Identification stamping Commissa																		

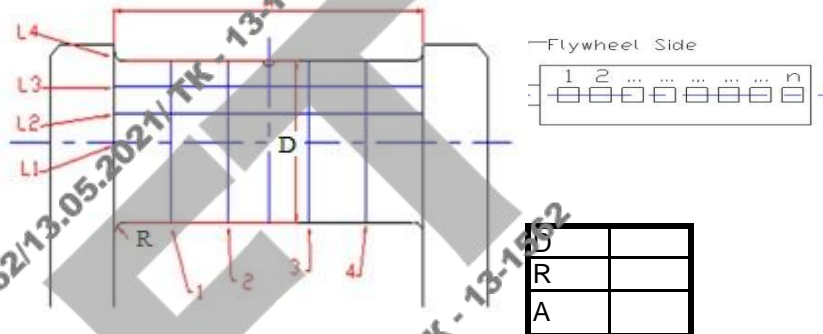
Visual inspection result:

Signed:	Date:	Signed:	Date:
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Title: Crankpin Calibration	Job nr.: XXX
Vessel/Nave: MLS XXXX	Insp. Date: XX/XX/20XX
Engine Maker: DAIHATSU	Engine Type: DK 20
Engine Number: A06K20018	Serial Number: N/A
	Running Hrs: 81450
	Operator:

CRANKPIN CALIBRATION - calibratura perno di manovella



Crankpin diameter: 170 MM

Max. ovality

All dimensions in mm/Dimensioni in mm

Piston/Pistone n.	1				Piston/Pistone n.	5				Piston/Pistone n.	9				Piston/Pistone n.									
	1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4
L1	169.98	169.98			L1	169.98	169.98			L1					L1									
L2	169.98	169.98			L2	169.98	169.98			L2					L2									
L3					L3					L3					L3									
L4					L4					L4					L4									
Piston/Pistone n.	2				Piston/Pistone n.	6				Piston/Pistone n.					Piston/Pistone n.									
	1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4
L1	169.99	169.99			L1	169.98	169.98			L1					L1									
L2	169.98	169.98			L2	169.98	169.98			L2					L2									
L3					L3					L3					L3									
L4					L4					L4					L4									
Piston/Pistone n.	3				Piston/Pistone n.	7				Piston/Pistone n.					Piston/Pistone n.									
	1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4
L1	169.98	169.98			L1					L1					L1									
L2	169.98	169.98			L2					L2					L2									
L3					L3					L3					L3									
L4					L4					L4					L4									
Piston/Pistone n.	4				Piston/Pistone n.	8				Piston/Pistone n.					Piston/Pistone n.									
	1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4
L1	169.98	169.98			L1					L1					L1									
L2	169.97	169.97			L2					L2					L2									
L3					L3					L3					L3									
L4					L4					L4					L4									

Remarks