

## Daihatsu 5DK-20

<b>POS</b>	<b>DESCRIPTION</b>	<b>CONDITION</b>	<b>QTY</b>
1	CRANKSHAFT	Used/Std Size	1 unit
2	CYLINDER BLOCK	Used/Good Condition	1 Unit
3	PISTON	New	5 PC
4	CYLIINDER HEAD COMPLETE	Overhauled/Pressure Tested @ 7 bar.	6PC
5	CONNECTING ROD	USED/TESTED	6PC
6	CYLINDER LINER	New (unused)	6 PC
7	FUEL PUMP COMPLETE	SERVICED	6 PC
8	MAIN BEARING	NEW	8PAIR
9	C.R BEARING	NEW	7PAIR
10	EXHAUST VALVE	NEW	12PC
11	INLET VALVE	NEW	12PC
12	EXHAUST SEAT	NEW	12PC
13	INLET SEAT	NEW	12PC
14	PLUNZER BARREL	NEW	11PC
15	NOZZLE	NEW	25PC
16	PISTON RING SET	NEW	15SETS
17	VALVE SPRING SET	NEW	12SETS
18	5 DK 20 COMPLETE ENGINE	USED/GOOD CONDITION	2 UNIT
19	CAMSHAFT	USED/GOOD CONDITION	1 UNIT
20	SELF STARTING MOTOR	USED/GOOD CONDITION	2 PCS



# Dynamic Quality Services

Non Destructive Testing & Third Party Inspection Services

Test no. 065CD/2016

Date: - 06-05-2016

## DIMENSIONAL INSPECTION REPORT

CUSTOMER: TECHNO MARINE SERVICES, MUMBAI SURFACE CONDITION: AS GROUND.

ITEM DESCRIPTION: CRANKSHAFT (1 NOS).

### ENGINE DETAIL

MAKE: DIAHATSU TYPE: 5 DK 20

### DIMENSIONS OF CRANKSHAFT'S MAIN JOURNALS ONLY

C.R PIN DIMENSION - STD SIZE 170mm.					
Sr. No.	X	Y	A	B	IDENTIFICATION / HARD MARKINGS  Z 60635-2-2 D-SF 690 - 1 NK 199(K) 7. JUN 96  NK 447 (0) D-F 690 - 1 Z 60635 - 2 - 2 14-10-96 (E) 50 (M) (B)
1	169.98	169.98	169.96	169.96	
2	169.98	169.98	169.97	169.97	
3	169.97	169.97	169.96	169.96	
4	169.97	169.97	169.97	169.97	
5	169.98	169.98	169.96	169.96	
6					
7					
8					
9					
MAIN JOURNAL DIMENSION - STD SIZE 200mm					
1	199.96	199.96	199.96	199.96	
2	199.96	199.96	199.96	199.95	
3	199.96	199.96	199.96	199.96	
4	199.95	199.95	199.95	199.95	
5	199.96	199.95	199.96	199.95	
6	199.96	199.96	199.96	199.96	
7					
8					
9					
10					

ALL DIMENSIONS IN mm. CHECKED FROM FREE END SIDE.

### REMARKS:

1. ONLY DIMENSIONS OF CRANK PINS AND MAIN JOURNALS CHECKED.
2. OUR RESPONSIBILITY CEASES AFTER WE LEAVE THE INSPECTION SITE.
3. OBSERVATION FOUND AS ABOVE.
4. RESULTS MAY VARY IF ANY PROCESSES CARRIED OUT ON THE JOB AFTER INSPECTION. WE DO NOT BEAR THE RESPONSIBILITY OF THE SAME.
5. ENGINE MAKE AND TYPE SPECIFIED BY THE CUSTOMER.

TESTED BY:

*Ravi Thakkar*

RAVI THAKKAR.

QC.



WITNESSED BY:



# Dynamic Quality Services

Non Destructive Testing & Third Party Inspection Services

## HARDNESS TEST REPORT

Customer: TECHNO MARINE SERVICES, MUMBAI		Job No.: 093
Item :- CRANKSHAFT Engine: DIAHATSU 5 DK 20		Date: 6 <sup>TH</sup> MAY, 2016
Hardness Tester: INTEGRATED HARDNESS TESTER Make: TIME		INSPECTION SITE: -ALANG
Hardness Tester: Model No. TH 130. CALIBRATION ON BLOCK, 791 HLD AT 5KG BOTTOM SUPPORT		

SCALE: - HB

FROM FLY WHEEL SIDE

Acceptable Standard: AS PER MAKER.

Sr. No.	PART	READING				Identification
		LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4	
1	PIN 1	573	594	590	586	Z 60635-2-2 D-SF 690 - 1 NK 199(K) 7- JUN 96 NK 447 (0) D-F 690 - 1 Z 60635 - 2 - 2 14-10-96 (E) 50 (M) (B)
2	PIN 2	587	612	583	594	
3	PIN 3	597	621	592	603	
4	PIN 4	598	604	588	597	
5	PIN 5	594	605	614	604	
6	PIN 6					
7	PIN 7					
8	PIN 8					
Sr. No.	PART	READING				
		LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4	
1	MAIN JOURNAL 1	586	599	574	586	
2	MAIN JOURNAL 2	589	600	596	595	
3	MAIN JOURNAL 3	593	592	589	591	
4	MAIN JOURNAL 4	577	607	593	592	
5	MAIN JOURNAL 5	592	614	608	605	
6	MAIN JOURNAL 6	614	629	619	621	
7	MAIN JOURNAL 7					
8	MAIN JOURNAL 8					
9	MAIN JOURNAL 9					
10	MAIN JOURNAL 10					

**Remarks:**

- ONLY OBSERVATIONS REPORTED.
- OUR RESPONSIBILITY CEASES AFTER WE LEAVE THE INSPECTION SITE.
- RESULTS MAY VARY IF ANY PROCESSES CARRIED OUT ON THE JOB AFTER INSPECTION. WE BEAR NO RESPONSIBILITY FOR THE SAME.
- ENGINE MAKE AND TYPE SPECIFIED BY THE CUSTOMER.

TESTED BY:

WITNESSED BY:

For, DYNAMIC QUALITY SERVICES  
RAVI THAKKAR

*Ravi Thakkar*





# Dynamic Quality Services

Non Destructive Testing & Third Party Inspection Services

TEST NO: 474

DATE: 6<sup>TH</sup> MAY, 2016.

## MAGNETIC PARTICLE TEST CERTIFICATE

CUSTOMER: TECHNO MARINE SERVICES, MUMBAI  
ITEM DESCRIPTION: CRANKSHAFT (1 NOS.)  
ENGINE MAKE & TYPE - DIHATSU 5 DK 20  
TESTING METHOD

INSPECTION SITE: ALANG.  
SURFACE CONDITION: AS GROUND.

EQUIPMENT	:	MAGNAFLUX YOKE Y7. SR. NO. 2014043241
TESTING MATERIAL	:	WET FLOUROSCENT MAGNAFLUX 14-AM PREPARED BATH.
MAGNETIZING CURRENT	:	AC.
TYPE OF MAGNETIZATION	:	LONGITUDINAL MAGNETIZATION
STANDARD SPECIFICATON	:	ASTM E 709
ACCEPTANCE CRITERIA	:	ASME SEC VIII DIV I.
INSPECTION METHOD	:	UNDER BLACK LIGHT. (UV LIGHT).
SURFACES SCANNED	:	ALL CRANKPINS AND MAIN JOURNALS ONLY.
DEMAGNETIZATION DONE	:	YES, RESIDUAL MAGNETIC FIELD < 3 GAUSS.
RESULT	:	ACCEPT.

### IDENTIFICATION - HARD MARKINGS/EMBOSSING

:

Z 60635 - 2 - 2 D-SF 690 - I NK 199(K) 7 - JUN 96	NK 447 (0) D-F 690 - I Z 60635 - 2 - 2 14-10-96 (E) 50 (M) (B)
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### REMARKS & FINDINGS:-

1. CRANKSHAFT FOUND OK IN MPI. NO RECORDABLE INDICATIONS OBSERVED.
2. OUR RESPONSIBILITY CEASES AFTER WE LEAVE THE INSPECTION SITE.
3. RESULTS MAY VARY IF ANY PROCESSES ARE CARRIED OUT ON THE JOB AFTER INSPECTION. WE BEAR NO RESPONSIBILITY FOR THE SAME.
4. MAKE AND TYPE SPECIFIED BY THE CUSTOMER.

TESTED BY:

For, DYNAMIC QUALITY SERVICES.

WITNESSED BY:

RAVI THAKKAR.  
ASNT NDT LEVEL III - MT, PT, RT. (CERTIFICATE NO. 194865)  
NDT LEVEL II - UT, VT.

