SIX YEAR PERIODIC INSPECTION

OWNER/COMPANY:	**CANADA BAY** **44 BORONIA STREET** **CONCORD WEST** **NSW 2138**
MACHINE MODEL:	**PUMP : JUNJIN** **BOOM: JUNJIN JZX-28-4**
SERIAL NO. OF MACHINE:	**PUMP: 0406473** **BOOM: JZX-28-4-019**
YEAR OF MANUFACTURE : **REGISTRATION :**	**2006** **AJ 04 AE**
LOCATION OF UNIT: (At time of checkup)	Flowcrete Pty Ltd, Unit 1, 15-17 Beaumont Road Mt Kuring-gai NSW 2080

IT WILL BE CHECKED PER THE FOLLOWING CHECK LIST:

1.	Records	8.	Boom Section No. 4
2.	Trestle with Outrigger	9.	Rear Outriggers
3.	Column Slewing Ring	10.	Concrete Delivery Pipeline
4.	Slewing Gear (with Slewing Ring)	11.	Hydraulic System
5.	Boom Section No. 1	12.	General Items
6.	Boom Section No. 2	13.	Weight Test - static
7.	Boom Section No. 3		

FINAL INSPECTION DATE

DATE: 12th AUGUST 2012

OPERATING HRS: 2490 hrs

BOOM INSPECTOR: L.J. WALKER
BSc Eng

SIGNATURE:

NEXT YEARLY INSPECTION DUE

MONTH: AUGUST

YEAR: 2013

Pump & Engineering Pty Ltd

ABN 62 120 917 259

Design, Engineering, Manufacturing, Certification
New and Pre-owned Equipment, Spare Parts & Service

Over 25 years experience with Heavy Equipment, ,
Concrete Pumping, Slurry Pumping, Cranes and Hammers

Telephone: 61 2 9476 6777
Mobile: 041 234 5331
Fax: 61 2 9987 0334

PO Address: 31 Evans Rd
Hornsby Heights NSW 2077
AUSTRALIA

Form and contents of the Inspection Certificates correspond to those required by the Australian Std AS 1418 Part 15 and the respective State Codes of Practice.

INSPECTION GROUP 1 - RECORDS

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
1.1 *	OPERATORS MANUAL - PUMP	✓				
1.2 *	SPARE PARTS LIST - PUMP	✓				
1.3 *	MODEL IDENTIFICATION PLATE	✓				
1.4 *	SAFETY/WARNING LABELS	✓				

*(1.1) (1.2) (1.3) The aforementioned records must be checked for existence, completeness, legibility.

*(1.4) Make sure all safety and warning labels are attached to the unit:

SAFETY/WARNING LABELS COMMON TO ALL UNITS:

Part No.	X	Description
CPA1	✓	Do not stand on Grates…
CPA2	✓	Safety Guards..
CPA3	✓	Keep hands out of valve assembly…
CPA4	✓	Keep hands out of valve assembly…
CPA5	✓	Danger of life from power lines…
CPA6	✓	Clear area before slewing or extending outriggers.
CPA7	✓	29 rules of operation…
CPA8	✓	Use of boom as hoist prohibited.
CPA9	✓	Danger Area
CPA10	✓	Stand clear of Outriggers
CPA11	✓	Electrical Overhead wire distances
CPA12	✓	Electrical Overhead wire distances
CPA13	✓	Danger – Unlawful to operate within 3 meters of Power line
CPA14	✓	Electrical Hazard
CPA15	✓	Electrical Hazard
CPA16	✓	Vehicle Operation
CPA17	✓	13 Hand signals

Also check for missing or unreadable operation instruction decals.
Decals may be ordered through your distributor.

COMMENTS:

12th AUGUST 2012 Competent Specialist
..... L.J. WALKER
(date)

.....
(signature)

Placing Boom & Pump
Type: **JUNJIN 110M**
JUNJIN JZX-28-4
Serial No. **0406473/JZX-28-4-019**

INSPECTION GROUP 2 – PEDESTAL WITH FRONT OUTRIGGERS

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
2.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	✓	x		20/08/2012	L.Walker
2.2 *	BEARINGS: NECK & FOOT	✓				
2.3 *	COLLAR BEARING CLEARANCE	✓				
2.4	OUTRIGGER STOP BAR	Na				
2.5	RETRACTABLE OUTRIGGER ARMS	✓	x		20/08/2012	L.Walker
2.6	SOCKET PIN SAFETY DEVICE	✓				
2.7	OUTRIGGER TUBES	✓				
2.8	OUTRIGGER PLATE	✓				
2.9	BRACKET FOR THE FRONT OUTRIGGER CYLINDER	✓				
2.10 *	TOWER MOUNTING PINS/ BOLTS	Na				
2.11 *	MOUNTING FRAME AT THE TOWER CONNECTION	✓				
2.12	TRUCK FRAME AT THE TOWER CONNECTION	✓				
*	See Page 2a					

COMMENTS:

2.1 All steel components abrasive blasted.
All welds magnetic particle tested – Some small cracks and weld imperfections detected around pedestal and outrigger housings – re-welded and tested -OK
- Refer photos and testing Report P013/080801 dated 14th August 2012.

2.5 Both Outrigger Horizontal beams welds magnetic particle tested - Two small cracks and weld imperfections detected– re-welded and tested -OK
- Refer photos and testing Report P013/080801 dated 14th August 2012.

12th AUGUST 2012 Competent Specialist L. J. WALKER

(date)

(signature)

Placing Boom & Pump
Type: **JUNJIN 110M**
~~**JUNJIN JZX-28-4**~~
Serial No. **0406473/JZX-28-4-019**

(2.1) The mentioned structural members are to be checked for, e.g.:

a) Deformation, wear, corrosion
b) Welded seams are to be checked, especially in endangered areas, and within the tensile strain area for cracked or broken welds.

(2.2) and (2.3) The mentioned structural members are to be checked for, e.g.:

Lubrication, breaks, wear, correct motion course.
Collar bearing clearance: measurements must be taken by means of either a feeler or a slide gauge opposite to the extended boom, between column and collar bearing.

1) Measurements:

The extended boom will be turned by 90 deg. If the collar bearing clearance is in excess of .1181" (3mm), then the replacing of the collar bearing is recommended.

(2.10) The mentioned structural members are to be checked for, e.g.:

Completeness, secured seating, deformation, corrosion. Recommendation: anchor screws for the trestle fixture should be replaced every third (3^{rd}) year.

(2.11) The mentioned structural member is to be checked for, e.g.:

a) Deformation, breaks, and cracks.
b) Condition of the bracings in the truck frame and tie down plates.

Recommendation: replace still existing wooden bracings with steel mounting plates and bolts.

INSPECTION GROUP 3 - TURRET

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
3.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	✓	x		20/08/2012	L.Walker
3.2 *	BEARING EYES	✓				
3.3	PINS AND PIN SAFETY DEVICES	✓				

*

(3.1) See check position number 2.1.

(3.2) The mentioned structural members are to be checked for, e.g.:

Deformation, breaks and cracks

Bearing Clearance:

If exceeding these standard values, the bearing clearance and the bore schedule diameter is to be noted under "Notes".

1.5% of the bore diameter up to 80mm dia.
1.25% of the bore diameter from 80 to 120 mm dia.
1.0% of the bore diameter exceeding 120 mm dia.

COMMENTS:

3.1 - All steel components abrasive blasted
- All welds magnetic particle tested. Two small cracks and weld imperfections detected– re-welded and tested -OK
- Refer photos and testing Report P013/080801 dated 14th August 2012..

3.3 - Cotton reels and all solid pins were checked and tested – all tested OK

12th AUGUST 2012 Competent Specialist Placing Boom & Pump
..... L. J. WALKER Type: **JUNJIN 110M**
(date) **JUNJIN JZX-28-4**
..... Serial No. **0406473/JZX-28-4-019**
(signature)

INSPECTION GROUP 4 - SLEWING GEAR

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
4.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	1				
4.2 *	SCREWS	1				
4.3 *	GEAR BOX END SWITCH WITH HORN	Na				
4.4 *	GEAR BOX BRAKE	Na				
4.5	SLEW BEARING	Na				
4.4	SLEW CYLINDERS	1		x	20/08/2012	L.Walker

*

(4.1) See check position number 2.1.

(4.2) The mentioned structural members are to be checked for, e.g.:

Completeness, secured seating, corrosion. Recommendation: Screws should be replaced every third (3rd year).

(4.3) For boom fitted with Slew rings.

(4.4) The mentioned structural members are to be checked for, e.g.:

Completeness, deformation, status of brake lining, gear box bearing, fixture of the gear box, oil level, readiness for service, correct motion course.

COMMENTS:

4.1 - All steel components abrasive blasted
- All welds magnetic particle tested - OK
- Refer photos and testing Report P013/080801 dated 14th August 2012..

4.4 - Slew cylinders seals replaced

12th AUGUST 2012 Competent Specialist Placing Boom & Pump

..... L. J. WALKER Type: **JUNJIN 110M**

(date) **JUNJIN JZX-28-4**

..... Serial No. **0406473/JZX-28-4-019**

(signature)

INSPECTION GROUP 5 - BOOM SECTION NO. 1

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
5.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	✓	x		20/08/2012	L.Walker
5.2 *	BEARINGS, BEARING EYES, ARTICULATED POINTS, GUIDE LEVERS, AND GUIDE BUSHINGS	✓		x	20/08/2012	L.Walker
5.3 *	PINS AND PIN SAFETY DEVICES	✓				
5.4	LATCH HOOK AND OR SUPPORT ASSEMBLY	✓				

*

(5.1) See check position number 2.1.

(5.2) The mentioned structural members are to be checked for, e.g.:

a) Completeness, breaks, cracks, deformations, lubrications, function
b) Bearing clearance: set jib into vertical position.
(for bearing clearance – See below)
Switch the levers to "front" and "rear" by turns in a quick sequence.

Bearing Clearance:

If exceeding these standard values, the bearing clearance and the bore schedule diameter is to be noted under "Notes".

1.5% of the bore diameter up to 80mm dia.
1.25% of the bore diameter from 80 to 120 mm dia.
1.0% of the bore diameter exceeding 120 mm dia.

(5.3) The mentioned structural members are to be checked for, e.g.:

Completeness, existence of the single elements and safety devices necessary for the operation, deformation of axle guards, condition of screws.

COMMENTS:

5.1 - All steel components abrasive blasted
- All welds magnetic particle tested - some small cracks detected – welded and retested - OK
- Refer photos and testing Report P013/080801 dated 14th August 2012.

5.2 - All pivot and lever bushes replaced
Brass Cotton reel pivot bushes replaced

12th AUGUST 2012 Competent Specialist Placing Boom & Pump
..... L. J. WALKER Type: **JUNJIN 110M**
(date) **JUNJIN JZX-28-4**
..... Serial No. **0406473/JZX-28-4-019**
(signature)

INSPECTION GROUP 6 - BOOM SECTION NO. 2

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
6.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	✓	x		20/08/2012	L.Walker
6.2 *	BEARINGS, BEARING EYES, ARTICULATED POINTS, GUIDE LEVERS, AND GUIDE BUSHINGS	✓		x	20/08/2012	L.Walker
6.3 *	PINS AND PIN SAFETY DEVICES	✓				
6.4 *	BOOM REST AREA	✓				

*

(6.1) See check position number 2.1

(6.2) See check position number 5.2

(6.3) See check position number 5.3

(6.4) See check position number 2.1

Bearing Clearance:

If exceeding these standard values, the bearing clearance and the bore schedule diameter is to be noted under "Notes".

1.5% of the bore diameter up to 80mm dia.
1.25% of the bore diameter from 80 to 120 mm dia.
1.0% of the bore diameter exceeding 120 mm dia.

COMMENTS:

6.1 - All steel components abrasive blasted
- All welds magnetic particle tested - OK
- Refer photos and testing Report P013/080801 dated 14th August 2012.

6.2 - All pivot and lever bushes replaced

12th AUGUST 2012 Competent Specialist Placing Boom & Pump

..... L. J. WALKER Type: **JUNJIN 110M**

(date) **~~JUNJIN JZX-28-4~~**

..... Serial No. **0406473/JZX-28-4-019**

(signature)

INSPECTION GROUP 7 - BOOM SECTION NO. 3

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
7.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	1✓				
7.2 *	BEARINGS, BEARING EYES, ARTICULATED POINTS, GUIDE LEVERS, AND GUIDE BUSHINGS	1✓		x	20/08/2012	L.Walker
7.3 *	PINS AND PIN SAFETY DEVICES	1✓				
7.4 *	BOOM REST SUPPORT	1✓				

*

(7.1) See check position number 2.1

(7.2) See check position number 5.2

(7.3) See check position number 5.3

(7.4) See check position number 2.1

Bearing Clearance:

If exceeding these standard values, the bearing clearance and the bore schedule diameter is to be noted under "Notes".

1.5% of the bore diameter up to 80mm dia.
1.25% of the bore diameter from 80 to 120 mm dia.
1.0% of the bore diameter exceeding 120 mm dia.

COMMENTS:

7.1 - All steel components abrasive blasted
- All welds magnetic particle tested - No cracks or weld defects detected - OK
- Refer photos and testing Report P013/080801 dated 14th August 2012.

7.2 - All pivot and lever bushes replaced

12th AUGUST 2012 Competent Specialist
..... L. J. WALKER
(date)
.....
(signature)

Placing Boom & Pump
Type: **JUNJIN 110M**
~~**JUNJIN JZX-28-4**~~
Serial No. **0406473/JZX-28-4-019**

INSPECTION GROUP 8 - BOOM SECTION NO. 4

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
8.1 *	STRUCTURAL MEMBERS AND WELDED SEAMS	1✓				
8.2 *	BEARINGS, BEARING EYES, ARTICULATED POINTS, GUIDE LEVERS, AND GUIDE BUSHINGS	1✓		x	20/08/2012	L.Walker
8.3 *	PINS AND PIN SAFETY DEVICES	1✓				
8.4 *	BOOM REST SUPPORT	1✓				

*

(8.1) See check position number 2.1

(8.2) See check position number 5.2

(8.3) See check position number 5.3

(8.4) See check position number 2.1

Bearing Clearance:

If exceeding these standard values, the bearing clearance and the bore schedule diameter is to be noted under "Notes".

1.5% of the bore diameter up to 80mm dia.
1.25% of the bore diameter from 80 to 120 mm dia.
1.0% of the bore diameter exceeding 120 mm dia.

COMMENTS:

8.1 - All steel components abrasive blasted
- All welds magnetic particle tested - No cracks or weld defects detected - OK
- Refer photos and testing Report P013/080801 dated 14th August 2012

8.2 - All lever bushes replaced

12th AUGUST 2012 Competent Specialist
..... L. J. WALKER
(date)

.....
(signature)

Placing Boom & Pump
Type: **JUNJIN 110M**
JUNJIN JZX-28-4
Serial No. **0406473/JZX-28-4-019**

INSPECTION GROUP 9 - REAR OUTRIGGERS

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
9.1 *	WELDED SEAMS AND STRUCTURAL MEMBERS	1				
9.2	OUTRIGGER TUBES	1				
9.3	OUTRIGGER PLATES	1				
9.4	BRACKET FOR THE REAR OUTRIGGER CYLINDER	1				
9.5	SUPPORT OF THE RETRACTABLE BOX	1				
9.6	STOP LIMIT OF THE RETRACTABLE BOX	Na				
9.7	SOCKET PIN SAFETY DEVICE	1				
9.8 *	MOUNTING FRAME IN THE AREA OF THE REAR OUTRIGGERS	1				

*

(9.1) See check position number 2.1.

(9.8) See check position number 2.11

COMMENTS:

9.1 Both Outrigger Horizontal beams welds magnetic particle tested & no faults detected on either vertical and horizontal beam - OK
- Refer photos in testing Report P013/080801 dated 14th August 2012

12th AUGUST 2012 Competent Specialist Placing Boom & Pump

..... L. J. WALKER Type: **JUNJIN 110M**

(date) **JUNJIN JZX-28-4**

..... Serial No. **0406473/JZX-28-4-019**

(signature)

INSPECTION GROUP 10 - CONCRETE DELIVERY PIPELINE

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
10.1	MOUNTING HARDWARE FOR ATTACHING THE DELIVERY PIPELINE	1✓				
10.2	COUPLINGS WITH SAFETY DEVICES	1✓				
10.3	BRACKETS WITH WELDED SEAMS	1✓				
10.4 *	END HOSE SAFETY DEVICE	1✓				
10.5 *	SLEWING POINTS	1✓				

*

(10.4) The mentioned structural member is to be checked for (= safety device to not allow falling down of the hose in case of loosening the coupling or in case of wear on the hose socket), e.g.:

Existence of the necessary single elements and safety devices, deformations, efficiency.

(10.5) a) The rotating joint of the pipeline and the boom must line up. To check the difference between the flanges, remove the necessary coupling. The difference between the flanges must be checked when the boom is folded and when the boom is extended.

The mismatch should not be in excess of .0787".

b) The central position of the pipeline (flanges) to the bearing eye of the main column must be checked, the mismatch should not be in excess of .0787".

COMMENTS:

12th AUGUST 2012 Competent Specialist Placing Boom & Pump

..... L. J. WALKER Type: **JUNJIN 110M**

(date) **JUNJIN JZX-28-4**

..... Serial No. **0406473/JZX-28-4-019**

(signature)

INSPECTION GROUP 11 - HYDRAULIC SYSTEM

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
11.1 *	HOSES, PIPES AND CONNECTIONS	✓				
11.2 *	HYDRAULIC CYLINDERS and HOLDING VALVES	✓				
11.3 *	HOLDING VALVES USED ON OUTRIGGER EXTENSION CYLINDERS	✓				
11.4 *	HOLDING VALVES USED ON OUTRIGGER CYLINDER	✓				
11.5 *	CONTROL BLOCK FOR PLACING BOOM	✓				
11.6 *	PRESSURE LIMIT VALVE GAUGES	✓				
11.7 *	SLEWING CYLINDERS	✓		x	20/08/2012	L.Walker
11.8 *	HYDRAULIC TANK AND OIL FOR THE PLACING BOOM	✓				
*	See pages 11a & 11b					

COMMENTS:

11.2 - All boom cylinders were pressure tested .

11.7 - Slew cylinders seals replaced

12th AUGUST 2012 Competent Specialist Placing Boom & Pump

..... L. J. WALKER Type: **JUNJIN 110M**

(date) **JUNJIN JZX-28-4**

..... Serial No. **0406473/JZX-28-4-019**

(signature)

(11.1) The mentioned structural members are to be checked to see if they are complete, tight and in good external condition.

(11.2) and (11.3)
The mentioned structural members are to be checked for, e.g.:

a) Deformities, cracks, and leakage of the rod seals
b) Leakage of the holding valve and the piston seals

A) Set the boom into a horizontal position, but do not run the piston into the end position. The boom tip must be loaded with a 110kg test weight. mark the piston rod (with a felt pen) and observe, if there is any movement when under load.

1. NO MOVEMENT OF THE CYLINDER ROD:
Piston sealing and holding valve are free from internal leaks.

2. IF THERE IS MOVEMENT OF THE CYLINDER ROD:
Piston sealing and/or holding valve on the piston side are leaking:

2a Remove the hose connections at the holding valve on the piston side.

2b If no oil runs out of the hose connections at the holding valve, then that means the piston seal is leaking, allowing oil to by-pass from the piston side of the cylinder to the rod side of the cylinder.

2c If oil runs out of the hose connections at the holding valve, then the holding valve on the piston side is defective.

2d It is possible for the holding valve and the piston seal to be defective at the same time. To determine this, you must perform step #2, then block off the hose connections (e.g. with cap nut, and ball or with a dead plug). If there is movement of the cylinder rod, then the piston seal is leaking also.

B) With the boom in the horizontal position, run the tip section to the ground using a block of wood between the ground and the tip section to create pressure within the rod side of the cylinders. Mark the piston rod (with a felt pen) and observe if there is any movement when under a load.

1. NO MOVEMENT OF THE CYLINDER ROD:
Piston sealing and holding valve are free from internal leakage.

2. IF THERE IS MOVEMENT OF THE CYLINDER ROD:
Piston sealing and/or holding valve on the rod side is/are leaking.

2a Remove the hose connections at the holding valve on the piston side.

2b If no oil runs out of the hose connections at the holding valve, then that means the piston seal is leaking, allowing oil to by-pass from the piston side of the cylinder to the rod side of the cylinder.

2c If oil runs out of the hose connections at the holding valve, then the holding valve on the piston side is defective.

2d It is possible for the holding valve and the piston seal to be defective at the same time. to determine this you must perform step #2, then block off the hose connections (e.g. with cap nut, and ball or with a dead plug). If there is movement of the cylinder rod, then the piston seal is leaking also.

C) Outrigger cylinder.

Turn the extended boom with testing weight over the outrigger cylinder which is to be checked.
Remove the hydraulic line at the globe valve, which runs to the boom control block, while the globe valve is closed. Mark the cylinder rod (with a felt pen) and observe. If the cylinder runs in and if no oil runs out of the globe valve, then the piston sealing is leaking.

(11.4) The mentioned structural member is to be checked for, e.g.:

a) Any missing or damaged parts.
b) Leakage: with no load applied to the outrigger cylinder, close the globe valve and remove the hydraulic line AT THE GLOBE, WHICH RUNS TO THE OUTRIGGER CYLINDER. Switch the control valve for the outrigger cylinder in level position "Front" (extend the outrigger cylinder). If the valve is leaking, oil will run out of the globe valve.

(11.5) a) The mentioned structural member is to be checked for, e.g.:

Any missing parts (knobs, symbols of switching levers, etc.), damaged or leaking parts, cleanness.

b) Check the lever position with the respective cylinder movements. Test is to be carried out while you have an operating oil temperature of approx. 30 to 50 deg. C.

(11.6) The mentioned structural members are to be checked for, e.g.:

a) Damage

b) Function: connect a test gauge. Push switch lever for folding cylinder No. 1 into lever position "Rear" (run in the cylinder), while the boom is folded in read safety pressure on the already installed gauge as well as on the test gauge and note on test table. This function could also be carried out via the remote control.

(11.7) The mentioned structural members are to be checked for, e.g.:

Check the slewing cylinder tube and the mounting flange for exterior damage, leakage and correct movement.

(11.8) Check, e.g.

Oil level, percentage of oil purity. (If need be make an oil test), and hydraulic tank for leakage.

INSPECTION GROUP 12 - GENERAL ITEMS

Inspection Sequence	Area being Inspected	Satis-factory	Repair Required	Replacement Required	Date Repaired or Replaced	Name
12.1 *	OPERATING SPEED HYDRAULIC CYLINDERS	✓				
12.2 *	OPERATING SPEED FOLDING CYLINDER NO. 1	✓				
12.3 *	OPERATING SPEED FOLDING CYLINDER NO. 2	✓				
12.4 *	OPERATING SPEED FOLDING CYLINDER NO. 3	✓				
12.5 *	OPERATING SPEED FOLDING CYLINDER NO. 4	✓				
12.6 *	OPERATING SPEED SLEWING CYLINDER	✓				
12.7 *	REMOTE CONTROL	✓				
12.8 *	REMOTE CONTROL SAFETY SWITCH	✓				

*

(12.1) to (12.6) Check, e.g

Operating speed with unstressed boom as per experimental valves (too fast, too slow)

(12.7) Check, e.g.:

Accordance of the motion coursed with switch functions and symbols.

(12.8) Check, e.g.:

Safety switch is operational.

COMMENTS:

12th AUGUST 2012 Competent Specialist Placing Boom & Pump

..... L. J. WALKER Type: **JUNJIN 110M**

(date) **JUNJIN JZX-28-4**

..... Serial No. **0406473/JZX-28-4-019**

(signature)

INSPECTION GROUP 13 – WEIGHT TEST

The Placing Boom was subjected to a static or dynamic load test in accordance with the weight test procedure.

Placing Boom

Type: Concrete Boom Model **JUNJIN JZX-28-4**

Serial No.: **0406473/JZX-28-4-019**

	STATIC TEST		CREEP TEST	
Section	**Test Weight** Kg	**Distance**	OK	
Stage 1			1	
Stage 2	**600kg**	**At joint**	1	
Stage 3	**260kg**	**At joint**	1	
Stage 4	**240kg**	**Mid point**	1	
Stage 5				

The placing boom has been subjected to a new inspection. During this inspection no deficiencies/the following deficiencies* were found:

There are no objections to re-commissioning.
A supplementary inspection is not necessary*

12th August 2012
.....
(place, date)

The competent specialist
L. J. WALKER
.....
(signature)

SUPPLEMENTARY INSPECTION

The placing boom was subjected to a supplementary inspection on the
.....
The deficiencies objected to in the reinspection before recommissioning have been remedied/have not been remedied*
.....
.....

.....
(place, date)

The competent specialist
L. J. WALKER
.....
(signature)

FORM NO. FPH 102

HVT INSPECTION SERVICES PTY LTD

Unit 3, 9-11 Cullen Place, Smithfield NSW 2164
P.O. Box 6390, Wetherill Park NSW 2164
Telephone: **(02) 9725 1511**
Fax: **(02) 9725 4208**
ABN 76 077 815 635

MAGNETIC PARTICLE INSPECTION REPORT

Correlation No: P013

Report No: P013/080801
Page 1 of 1
Order No: TBA
Pump No: 019

Client: Flowcrete Pty Ltd

Address: Unit 1 15 - 17 Beaumont Road
MT KURINGAI, N.S.W. 2080

SUBJECT: Canada Bay Concrete Pumping; JXZ-28-4; Serial No: 0406473

Material: Carbon Steel Surface condition: As formed / welded / sand blasted

Nature of test: Magnetic particle weld surface crack detection

Test spec.: AS1171.1998 Acceptance spec: Report findings

Date of examination: 08.08.12 Inspector: C Haes & P King

Equipment: Magnaflux Y6 electromagnet (yoke type) ME3/4 & ME009

Inspection technique:

A sustained wet magnetic flow of magnetism was applied in two directions 90 degrees opposed in conjunction with a fine black ink (Ardrox 800/3) and white contrast paint (Ardrox 8901/W). A Burmah-Castrol Flux Density Indicator was used to ensure adequate field strength. Demagnetisation not performed

Examined: Boom inspection of all nominated accessible weld areas on the following sections

Magnetic particle examination of 4 off jib sections, 4 off legs and feet components, 4 off rams, 6 off bone sections, 25 off pins, 2 off cylinders, turret and truck chassis areas as requested

RESULTS:

At the completion of testing the above mentioned items did not reveal the presence of any apparent crack like discontinuities.

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C. Haes

HVT Inspection Services Pty Ltd.
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