



JOB NUMBER: VL8756

### BUILD ORDER

SALE	CONSIGNMENT	DEMO	RENTAL	ORIGINATED BY:
CE <u>091905-012</u>	X1- _____	X2- _____	X3- _____	<u>JK</u>

CUSTOMER: Bull Concrete Corp <sup>190936</sup> ORDER DATE: 9/14/05  
 MODEL: XXT42.5Z COMPLETION DATE: \_\_\_\_\_  
 SERIAL #: 05-246-XXT42.5 VIN #: 1M2K201C75M027512  
 PART #: XXT42.5-004

**OPTIONS / INSTRUCTIONS:**

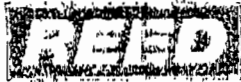
5" Tip Hose

Colors:  
macb white: G8-7902  
Brilliant Teal metallic:  
GC-C419-41  
(NASC Auto Finish 419-41)

(1) ENGINEERING (Specials Only): \_\_\_\_\_ DATE  
 (2) PRODUCTION CONTROL: [Signature] 9/20 DATE

Copy to: PRODUCTION (Build Order Only)  
 CUSTOMER SERVICE  
 ACCOUNTING (Original attached to Order Acknowledgment)

DON



**SALES ORDER**

TO Bull Concrete Corp 6045 Truck Street Las Vegas, NV 89118-2327 ATTN: Curtis Thew	DATE: 9/14/2005 REF NUMBER: BULLXXT425Z-072205 VALIDITY: 30 DAYS PAYMENT TERMS: \$10,000.00 with order, Balance prior to shipping.
PHONE: 702-897-2855 FAX: 702-798-0411 REED SALESMAN: Paul Sulman	AVAILABILITY: Early September DELIVERY TERMS: F.O.B. CHINO, CA FREIGHT Included

*2nd week Oct*

**REED Model XX142.5Z Dragonfly Truck-mounted Concrete Boom Pump**

Boom Specification:

- 136' 5" (42 M) vertical reach, 123' 4" (38 M) horizontal reach, five section boom.
- Section articulation (A / B / C / D / E): 96" / 180" / 270" / 180" / 270"; Slewing range 364°
- 5" (125mm) delivery line (ConForms "Ultra 3")
- Unfolding Height of 28' (8.54 M)
- Outrigger Spread L-R-Front of 27' 8" (8.44 M); L-R-Rear of 26' 2" (7.98 M)
- Proportional Controls for both Radio AND Hard Wire remotes

Pump Performance:

- Max. Theoretical Output, Rod Side..... 200 cu yds/hr (153 m<sup>3</sup>/hr)
- Max. Theoretical Concrete Pressure, Rod Side..... 1300 psi (90 bar)
- Max. Aggregate Size..... 2 1/2" (63 mm)

Pump Specifications:

- S-Tube 9" x 8" (230 mm x 203 mm); Twin Shifting Cylinders
- Hard-chromed Concrete Cylinders are 9" x 79" (230 mm x 2000 mm)
- Twin Rexroth A1V125 closed loop hydraulic system
- Suction Filters and Charge Pump Hydraulic Oil Filters
- REED Solid-state Black Box Controls
- 19.5 cubic feet (550 Liter) Harsh Mix Hopper with Agitator/Remixer
- Dual Hydraulic Tanks; Two Tool Boxes

Truck Specifications (Typical choice):

- Mack Truck MR608S with E7-460 engine, 460HP; 263" wheelbase (CL 1-2 to CL 3-4)
- Mack T-2000 9-Speed Transmission, Bronze Rear Suspension Bushings
- Air brakes; 80 gallon (303 Liter) fuel tank; Aluminum Wheels, Jake Brake, A/C, Radio
- Twin (20,000 lbs) Front Axles Mack FAW20, Rear Axle Mack S44 Multileaf at 44,000 lbs

Optional Equipment:

• 5" (125 mm) diameter lip hose	Included
• Paint (Same as previous boom)	Included

Accepted By: *[Signature]* 09/19/05

REED • 13822 Oaks Ave • Chino, California 91710-7008 USA • 909 287-2100 • Fax 909-287-2140 • 888-770-7333

cc: Jean L  
CSF



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 PART #: XXT42.5-004

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5" Top Hose

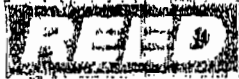
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Job CARD





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*Paul Sulman* 09/19/05

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cc: Jean L  
CSF

M/03202

BULL CONCRET 1-09-06

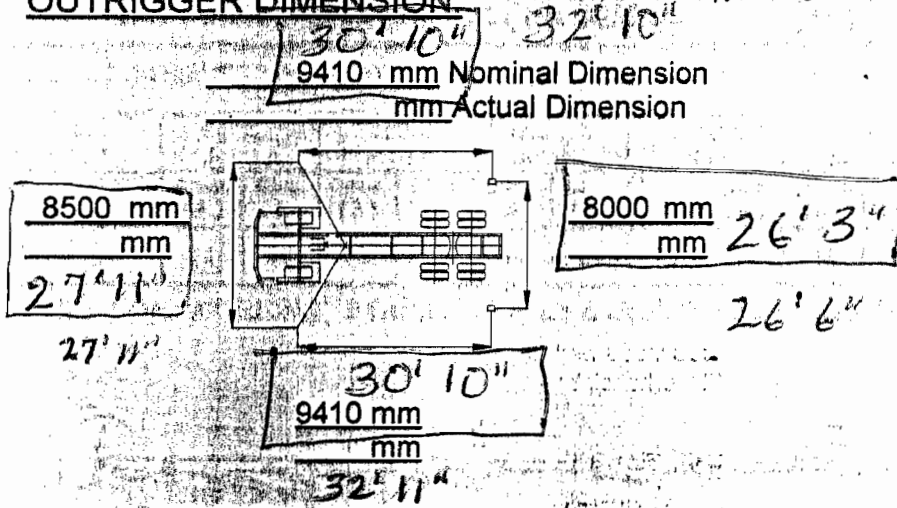
JOB #	XXT-42-25		SN #	06-246	
	coustomer:				
VL	BOOM MAKE UP PIPE LENGTHS				
8756	ARM				LENGTH
	A				89 1/2"
	B				43"
	B-C				43 1/2"
	C				29 5/8"
	C-D				22 1/4"
	D				17 1/4"
	E				21 1/4"
	TIP HOSE SIZE				
	SPECIAL ELBOWS				
	Turret	A sect			802576-29 1/4"
	A sect	B sect			
	B sect	C sect			
	C sect	D sect			
	D sect	E sect			
	DECK MAKE UP PIPE LENGTHS				
	PIPE				LENGTH
	#1				65 1/4"
	#2				10"
	#3				
	SPECIAL ELBOWS				
	TURRET PIPE				
					343 1/4"
	DECK DELIVERY LINE COMPONENTS				
					PART #
	HOPPER ELBOW				803024
	ELBOW 6"				803025
	REDUCER				803026
	SPECIAL TURRET ELBOW				
	RADIO REMOTE SERIAL NUMBER				SERIAL #
	RADIO REMOTE				7350501753
	CABLE REMOTE				22.0205.002/A
					MATR 0080905
	TRUCK				SERIAL #
					27512
	BOOM SIZE				SERIAL #
	XXT-42-25				TR 20035033
					ANTOVELY



# STABILITY TEST RECORD OUTRIGGER 42 XXT RZ

S/N 06-246

OUTRIGGER DIMENSION:



STABILITY WITH 125% WEIGHT:

CHECKED:

**Outrigger**

FRONT	REAR	
mm	mm	RIGHT
mm	mm	LEFT

FUNCTION ACCORDING SIGN PLATE AND CONTROL OF LEAKAGE

	Open	Close	Leackage checked
Right front jack cylinder			
Right front telescope out			
Right front swing out			
Right back swing out			
Right back jack cylinder			
Left front jack cylinder			
Left front telescope out			
Left front swing out			
Left back swing out			
Left back jack cylinder			

**TEST RESULT:**

STABILITY APPROVED:

STABILITY DISAPPROVED:

DATE: 1-6-06

NAME: *[Signature]*

SIGNATURE:

1-6-06



**TECHNICAL SPECIFICATION**

Num. **420-10**

Rev. **5**

**BOOM TESTING  
AZ-42.5/125-4B1**

Date: **08-01-01**

Pag. **2/2**

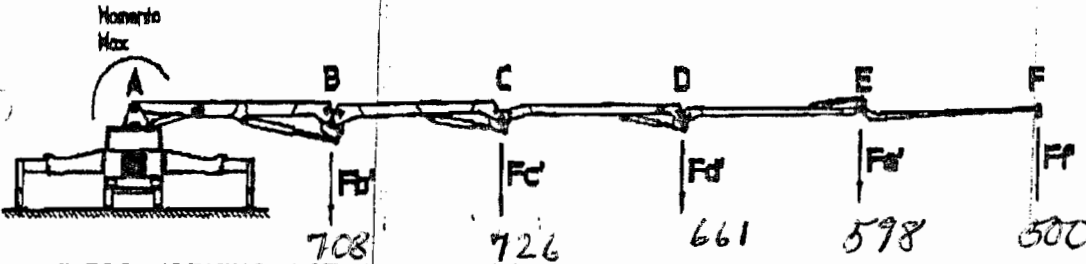
**SUBJECT: PRESSURES, TIMES AND TESTING LOADS**

APPROVAL:

**HYDRAULIC DISTRIBUTOR OIL FLOW  
TAB.6:**

BOOM SECTIONS	Section Joint A		Section Joint B		Section Joint C		Section Joint D		Section Joint E		Turn. (A-B)	Stab (A-B)
	Open. (A)	Clos. (B)	Open. (A)	Clos. (B)	Open. (A)	Clos. (B)	Open. (A)	Clos. (B)	Open. (A)	Clos. (B)		
Section outlet												
Flows at distrib. sect. (l/min)	40	30	32	25	34	24	22	18	13	10	32	30

**2 - LOADS FOR WORKING, STABILITY AND STRUCTURAL TESTING**



**LOAD FOR WORKING TEST:** Concrete weight and terminal hose weight are enclosed

**TAB 6:**

WORKING LOADS				
Fb (daN)	Fc (daN)	Fd (daN)	Fe (daN)	Ff (daN)
252	259	235	213	298

**LOAD FOR STABILITY TEST:** testing load is 125% of working load (safety value according to norm DIN 24117).

**TAB 7:**

STABILITY LOADS				
Fb' (daN)	Fc' (daN)	Fd' (daN)	Fe' (daN)	Ff' (daN)
315	323	294	266	358
708	726	661	598	500

**CF**  
**X 2,25**

**LOAD FOR STRUCTURAL TEST:** testing load is 130% of working load + 20% of structure weight, according to norm DIN 24117.

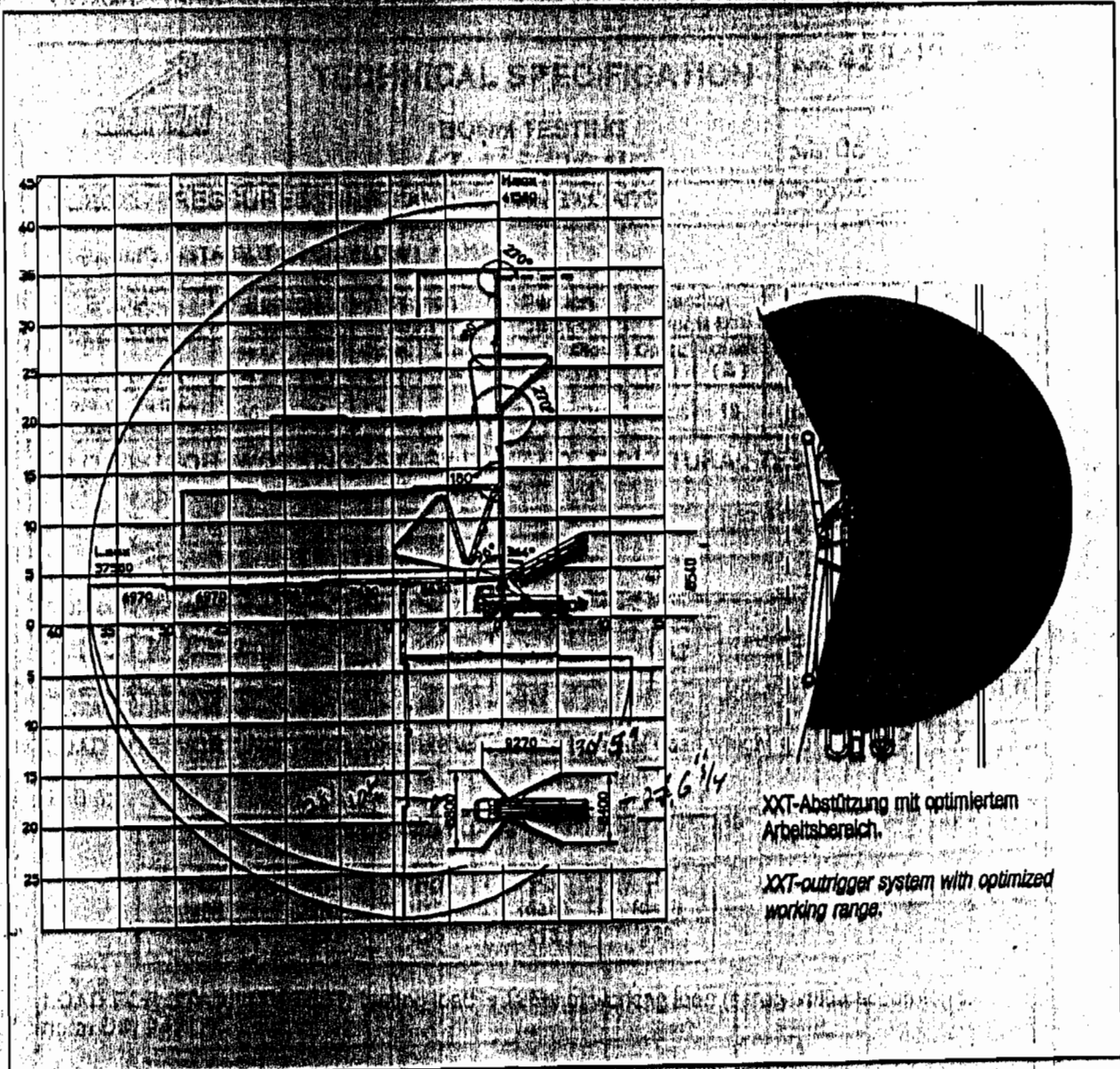
**TAB 8:**

STRUCTURAL LOADS				
Fb'' (daN)	Fc'' (daN)	Fd'' (daN)	Fe'' (daN)	Ff'' (daN)
913	730	497	379	412

*pag. 4/6*

*375  
82  
24  
11.1*





XXXT-Abstützung mit optimiertem Arbeitsbereich.  
 XXXT-outrigger system with optimized working range.

Horizontale Reichweite	Horizontal reach	38,1 m
Vertikale Reichweite	Vertical reach	41,6 m
Schwankbereich	Swinging range	365°
Winkelbereich Arm 1	1st element rotation	96°
Winkelbereich Arm 2	2nd element rotation	180°
Winkelbereich Arm 3	3rd element rotation	270°
Winkelbereich Arm 4	4th element rotation	180°
Winkelbereich Arm 5	5th element rotation	270°
Abstützweite vorn	Front outrigger setup	8,8 m
Abstützweite hinten	Back outrigger setup	8,4 m
Max. Lastmoment	Max. dynamic moment	KNm 1320
Förderleitung-Durchmesser	Concrete pipeline diameter	125 mm
Länge Endschlauch	Length of endhose	4 m
Spannung	Voltage	12/24 Volt

Waltzinger Baumaschinen - Gesellschaft mbH, Postfach 4, 88231 Neu-Ulm, Telefon +49 (0) 731/72905-0, Fax +49 (0) 731/72905-30  
 Vertrieb und Service GmbH, E-mail: info@waltzinger.de, Internet: www.waltzinger.de



<b>REED</b> <b>ALL MODELS</b> <i>422 XXT</i>	<b>QUALITY ASSURANCE INSPECTION CHECK LIST</b> <b>TRUCK MOUNTED CONCRETE PUMP</b>	PAGE 10F 1
INSPECTED BY <u>  <i>MW</i>  </u>		DATE _____

S/N *06-246*

<b>Q.C. &amp; PUMP OPERATIONAL TEST</b>	WORK ORDER <i>VL8756</i>
---	--------------------------

DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
<b>1. Q.C. INSPECTION PACKAGE</b>		
All forms in package		
All shortages in package		
<b>2. BUILD ORDER REVIEW</b>		
Truck built per build order		
Options installed per build order		
Oil type required		
Defeciencies noted		
<b>3. PRELIMINARY WALK AROUND</b>	<i>MW</i>	
Components installed properly	↓	
Proper hose & wire routing	↓	
Bolts & fittings tight	↓	
Defeciencies corrected	↓	
<b>4. FLUID LEVELS</b>	<i>MW</i>	
Engine oil	↓	
Coolant	↓	
Boom tank hydraulic oil	↓	Type <i>TELLUS 46</i>
Main tank hydraulic oil	↓	Type <i>TELLUS 46</i>
Auto lube grease	↓	
Flush box - Oil & water	↓	
<b>5. PRE START UP</b>	<i>MW</i>	
Filling & bleeding of hydraulic system	↓	

SHORTAGES	CORR INIT.

COMMENTS	

REED ALL MODELS	QUALITY ASSURANCE INSPECTION CHECK LIST TRUCK MOUNTED CONCRETE PUMP		PAGE 10F 1
		INSPECTED BY <u>R</u>	DATE <u>10/3/05</u>
Q.C. & PUMP OPERATIONAL TEST		WORK ORDER <u>VL 8756</u>	
DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE	
6. FILTRATION OF SYSTEM ( 2 Hour time period )	<u>MW</u> <u>✓</u>		
7. R.P.M. CHECK	<u>RV</u>		
800 Idle	<u>RV</u>	<u>900</u>	
1600 Pumping	<u>RV</u>	<u>1600</u>	
8. CHARGE PRESSURE ADJUSTMENT 34 Bar - ( +0 -1 )	<u>RV</u> <u>RV</u>	<u>34 BAR</u>	
9. PUMP CENTERING ADJUSTMENT	<u>RV</u>	<u>PRE-SETED</u>	<u>O.K.</u>
10. MAXIMUM PRESSURE CHECK 345 Bar	<u>RV</u> <u>RV</u>	<u>340 ON A AND 300 ON B</u>	
11. BLACK BOX ADJUSTMENT 6-19 Bar	<u>RV</u> <u>RV</u>	<u>19 BAR</u>	<u>PRE-SETED OK.</u>
12. A-10 PUMP ADJUSTMENT Load sense screw fully in Pressure compensator 190 Bar	<u>MW</u> <u>✓</u>	<u>190 BAR</u>	
13. REMIXER PRESSURE ADJUSTMENT <del>190 Bar</del> <u>250 BAR</u>	<u>RV</u> <u>RV</u>	<u>250 BAR</u>	<u>PRE-SETED OK.</u>
14. COOLER RELIEF ADJUSTMENT 30 Bar	<u>RV</u> <u>✓</u>	<u>PRE-SETED</u>	
SHORTAGES			CORR INIT.
COMMENTS			

<b>Q.C. &amp; PUMP OPERATIONAL TEST</b>	WORK ORDER <u>VL8756</u>
---	--------------------------

DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
15. FLUSHING VALVE ADJUSTMENT	RV	
Should be 25.8 G.P.M. (+0-.5)	RV	25.5
Evenly balanced	RV	
16. MAXIMUM CYCLES PER MINUTE CHECK	RV	Main Control Box --- 28
30 (+ or - 1)		Radio Control ----
		Cable Remote--- <del>28</del> <span style="float: right;">24 SP4</span>
17. CYCLE TEST	RV	
8 Hour time period	RV	
Documentation of test sheets	RV	
18. WATER PUMP ADJUSTMENT	RV	
Relief set to attain maximum flow without swelling of hose when nozzle is closed	RV	
19. BOOM VALVE PRESSURE ADJUSTMENT	RV	
340 Bar---( XT-32 & XT-36 )		
350 Bar--- ( XXT-42 )	RV	350 BAR
20 BOOM RADIO CONTROL PARAMETERS CHECK.		
21 OUTRIGGER PRESSURE ADJUSTMENT	RV	
Main block relief--250 Bar (+or- 1)	RV	250 BAR
XT-36 Extension relief--60 Bar (+or- 1)		(SEE NOTE BELOW)
XXT-32 or 42 Extension relief		
XXT-32 or 42 front swing out relief--60 Bar (+or- 1)		

SHORTAGES	CORR INIT.

COMMENTS

NOTE...REFER TO TEST PROCEDURE WORK INSTRUCTIONS FOR ADJUSTMENT METHODS.

*NEW O/RIGGER CONTROL VALVES (PIN 802727 + 802728)*  
*REQUIRE EXTENSION RELIEF ADJUSTED TO 120 BAR.*  
*7-3-03 (FIRST VALVES USED) XT-36*

# WORK TO NEEDED TO BE DONE

BOOM VIL # 8756 MODEL 14T 42.5

- 1 Adj Check Valve on PR (hitting back)
- 2 Check Gears time OK
- 3 Gauge line routing in control box
- 4 Secure Man Wire Harness w/ zip ties
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_
- 7 \_\_\_\_\_
- 8 \_\_\_\_\_
- 9 \_\_\_\_\_
- 10 \_\_\_\_\_
- 11 \_\_\_\_\_
- 12 \_\_\_\_\_
- 13 \_\_\_\_\_
- 14 \_\_\_\_\_
- 15 \_\_\_\_\_
- 16 \_\_\_\_\_
- 17 \_\_\_\_\_





# WATER TEST RECORD SHEET

## TRUCK MOUNTED CONCRETE BOOM PUMP

INSPECTED BY RubenDATE 10/3/0905-246

MACHINE MODEL

XYT-422 5 section

S/N

VL 8756

TIME	AMB TEMP	HYD TEMP	ENG TEMP	HYD PRESSURE	ENG RPM	VOL SETTING	STROKES P/MIN
2:30	81°	124°	220°	50 BAR	1/2	8	16
2:45	80°	128°	220°	50 BAR	1/2	8	16
7:00	53°	<del>96°</del> 96°	220°	80 BAR	3/4	8 1/2	23
7:15	54°	109°	220°	80 BAR	3/4	8 1/2	23
7:30	60°	117°	219°	100 BAR	FULL	9	25
7:45	61°	125°	207°	100 BAR	F	9	25
8:00	61°	128°	210°	130 BAR	F	8	19
8:15	61°	130°	210°	150 BAR	F	8	19
8:30	61°	136°	207°	120 BAR	F	7 1/2	18
8:45	62°	136°	207°	120° BAR	F	7 1/2	18
9:00	63°	141°	210°	190 BAR	F	8	16
9:15	64°	145°	210°	190 BAR	F	8	16
9:45	65°	133°	218°	130 BAR	F	6 1/4	13
10:00	66°	132°	218°	130 BAR	F	6 1/4	13
10:15	68°	138°	215°	150 BAR	F	6 5/8	14
10:30	70°	138°	215°	150 BAR	F	6 5/8	14
10:45	71°	138°	220°	110 BAR	F	6	12
11:00	72°	137°	220°	110 BAR	F	6	12
11:15	73°	135°	220°	140 BAR	F	6 1/2	14
11:30	74°	133°	220°	140 BAR	F	6 1/2	14
8:45	80°	130°	220°	120 BAR	F	6	12



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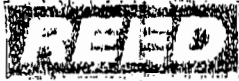
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KEEP w/ TRUCK





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cc: Jean L  
CSF

## CHASSIS INSPECTION CHECK LIST

MFG Mack MODEL MD209 VIN 37S12

DESCRIPTION	DESCRIPTION	DESCRIPTION
<b>A-CAB</b>	• Mirrors RH & LH	<b>F-PAINT</b>
• Lift/Tilt w/Pump	• Parking Brake w/Light	• Cab Ext-Mack White
• Cigar Lighter	• Mud Flaps-24"-Frnt Fender	
• Dome Light w/SW	• Radio AM-FM	
• Door-Slide Type Window	• Antenna-Roof Mtd.	<b>G-INFORMATION</b>
• Fenders-Cab	• Seat-Driver Air Susp.	• Manuals-Protection Plan Service
• Floor Mats-Rubber	• Seat-Rider Fixed	• Safety Kit
• Gauges	• Seat Belts-Lap & Shoulder	
• Dual Air Pressure	• Turn Signal Switch - Manual	
• Voltmeter		<b>H-MISCELLANEOUS</b>
• Eng. Coolant Temp.		• Exterior Paint Damage
• Eng. Oil Pressure		• Window Damage
• Fuel Level		• Dents
• English Display	<b>B-FRAME-FUEL TANK</b>	
• Speedometer w/Trip Odometer	• Bumper Channel Type Extended 63"	
• Eng. Tach w/ Hourmeter	• Towing Device Frt-Pin	<b>I-DRIVE TRAIN</b>
• Glass-Tinted Windows	• Fuel Tank LH 80 Gal RD.	• MACK MD209 Transmission
• Glove Box		• Range selector valve tight
• Grab Handles - Ext.		
• RH & LH Behind Door	<b>C-FRONT AXLE</b>	
• Grab Handles - Int.	• Capacity 20000 lbs	
• Windshield Post RH-LH	• Tires Tubeless Radial	<b>J-COMMENTS</b>
• Instr. Panel RH	• Size 425/65R 22.5 18S	Visual Inspect OK 5/24/05
• Hi-Beam Indicator Light	• Wheels-Alum Disc 10 Hole	
• Horn		
• Air Twin Trumpet		
• Electric Single Tone	<b>D-REAR AXLE-TANDEM</b>	
• Lights	• Capacity 44000 lbs	
• Marker & Clearance (7)	• Tires (8) 11R-22.5-14G	
• Side Markers	• Air Brakes	
• Turn Signals-Front	• Wheels-Alum Disc-10 Holes	
• Headlights (2) Conv 7" RD		
• Rear (2) Stop, Direct, Back up	<b>E-ELECTRICAL</b>	
• Signal Flasher Type	• Back up Alarm	
• Interior Trim - White	• Battery Box Covers	
• Low Air Indicator Light & Buzz	• Daytime Running Lights	

Odometer Reading 3289.3

Hourmeter Reading 72.7

Inspected By K.A. G. Hill

Date 5/24/05

# WORK TO NEEDED TO BE DONE

BOOM V/L # 8756 MODEL 42

- 1 Fuel Tank Float Is Set up wrong (Mack Needs to fix)
- 2 Cable Remote Radio was sent out for repair
- 3 Turret does not work by radio , only by boom valve
- 4 TORQUE TURRET
- 5 Fix Air leak in cab (Mack need to fix)
- 6 touch up PAINT
- 7 clean & polish wheels
- 8 Fuel TANK NOT READING Right
- 9 Mack need TO Fix
- 10 Rotation GEAR BOX HAS THE WRONG MOTOR
- 11 IN IT. (CHECK IT out)
- 2 C-D SECTION'S ARE BACKWARD'S FIX WIRES.

3  
4  
5

XXT-42

S/W 03-246

- 1 ~~\* HYD TANK DRAIN LINES LEAK AT 1/2 BALL VALVE.~~
- 2 ~~\* BENT FITTING LOOSE AT FLUSHING VALVE.~~
- 3 ~~\* WRONG PROXIMITY SWITCHES IN IT~~
- 4 ~~\* WRONG PROX SWITCH CORD, WITH LED LIGHTS IN IT~~
- 5 ~~\* BAD O-RING ON FITTING COMING OUT OF MAIN REAR PUMP.~~
- 6 ~~\* GREASER NOT WORKING~~
- 7 ~~\* AGITATOR MOTOR PLATED WRONG.~~
- 8 ~~\* OILED BLOCK PLUG LOOSE~~
- 9 ~~\* GREASER HAD NO GREASE IN IT.~~
- 10 ~~\* BLACK BOX NEED A BRACKET FOR MOUNTING INSIDE ELECTRICAL PANEL.~~
- 11 ~~\* OUTRIGGER VALVE FITTING LEAKING OUT OF ALUMINUM BLOCK OUT OF B-3, OPERATOR SIDE OR PASSANGER SIDE.~~

EXT-42  
SN 3F-246

~~13 \* RADIO Remote WIRE BROCK UP  
WLONG IN ONE OF THE PLUGS.~~

~~14 \* BOOM VALVE OUTRIGGER<sup>8</sup> SECTION WIRE  
BACKWARDS - ELECTRICAL.~~

15 CABLE Remote, NOT working Right send  
out to BE REPAIR.

~~16 BOOM VALVE Return Line ORFFICE  
MISSING~~

~~REPLACE~~ 

17 WHEN REPLACES BOOM FILTER ELEMENT CHECK  
BO. ring ON SPLIT FLANGE ON THE SIDE OF  
Filter HOUSING OIL LEAK.

~~18~~  
18 FUEL TANK NOT READING Right.

# ID TAG 42

VL 8756

## REED

13822 OAKS AVENUE  
CHINO, CA 91710 USA

PHONE (909) 287-2100  
FAX (909) 287-2140

~~06~~ 06-246

XXT-425 2

MODEL **XXT-42** SERIAL NO. ~~05-245~~

MATERIAL PRESSURE **1250** PSI **85** BAR

HYDRAULIC PRESSURE **5100** PSI **350** BAR

ENGINE / PTO **1600** RPM **12 - VDC** VOLTS  
ELECTRIC MOTOR