



BOOM PUMP TESTING

13822 Oaks Avenue
Chino, CA 91710
reedpumps.com
(909) 287 - 2100

Date: 5/19/10	Model: XT39 R4V00	Serial #: 071001
Customer: CAVA	Truck VIN: 1M2K189C37M	Work Order #: NA

036510

PRELIMINARY WALK AROUND		✓
Noticeable Defects/Errors		
Notes: grease ripples on hydraulic (A section) cylinder need replaced need to see how work		
Hydraulic Hose/Tube Plumbing Correct to Schematics		✓
Electrical Connections/Harness Correct to Schematics		✓
Bolts/Fittings Securely Tightened		✓
Clear Obstructions to Moving Parts		✓
Engine Oil	Dirty oil	NA
Engine Coolant	needs some	NA
Engine Fuel	Client will change all	NA
PTO GEARBOX FLUID		✓
Fill PTO Gearbox with Gearbox Oil	Not tools at factory	NA
HYDRAULIC FLUID LEVELS		✓
Prime Pumps and Hydraulic System (Fill All Pumps, Except Gear Pumps Through Case Drain Ports)		✓
After Priming, Fill Pump and Boom Hydraulic Tanks		✓
WATER LEVELS		✓
Water Tank Full	Low water level, cleaned, repaired	✓
Water Box (Rods Almost Covered with Water)		✓
ACCUMULATOR		✓
Accumulator PreCharge Pressure (Nitrogen 90 Bar)	Needs kit + RECHARGE	✓
PROXIMITY SWITCHES		✓
RPM Proximity Sensor Properly Secure, 3 - 5 mm Space Between Sensor and Straight Interruptor Flag		✓
End Stroke Proximity Sensor Secure in Proper Location, 3 - 5 mm Spacing Between Sensor and Piston		✓
LUBRICATION		✓
Lubricate All Lubrication Points	Auto Lube Lincoln, needs grease piston	✓
Fill Lubricant Reservoir		✓
Check Auto Lubrication Points		✓
RPM		✓
Idle RPM 900		✓
Pumping RPM 1600		✓
CHARGE PRESSURE		✓
30 - 32 Bar	NO TEST POINTS	NA
SERVO PRESSURE BALANCE		✓
Check Balance Between X1 and X2	NO TEST POINTS	NA
CONTROL PRESSURE BALANCE		✓
Check Balance Between Y1 and Y2	NO TEST POINTS	NA
FLUSHING VALVE		✓
Balanced 18-24 GPM Flow (Flow Meter Between Flushing Valve to Tank Return Manifold)	Factory approved	NA

Factory approved



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COOLER RELIEF		✓
20 Bar	No TEST PONS	NA
PRESSURE COMPENSATOR		✓
190 Bar	No TEST PONS	NA
MAXIMUM SYSTEM PRESSURE		✓
320 Bar		✓
FILTRATION AND BLEEDING		✓
Filter Hydraulic Oil (Cycle 4 Hours, Low RPM, Low Volume)	Factory	NA
Bleed Hydraulic Oil (Needle Valve at Highest Point On Drive Cylinders)	Factory	NA
REMIXER		✓
Forward and Auto Reverse (Reverse Pressure Sensor)		✓
WATER PUMP		✓
Functioning and Set Relief to Maximum Setting		✓
CYCLE TEST		✓
Cycle 4 Hours; Full RPM, Full Volume (Check Temperature Periodically for Auto Cooler Functionality)		NA factory
MAXIMUM STROKES PER MINUTE		✓
25 Strokes per Minute		✓
GAUGES		✓
Gauges in Good Condition	New Pressure at Filter needs control pressure	✓
OUTRIGGER PRESSURE ADJUSTMENT		✓
Set Both Outrigger Control Block Relief Pressures 200 Bar	Factory	NA
BOOM VALVE ADJUSTMENT		✓
Set Boom Valve Block Relief Pressure 320 Bar	Factory	NA
MANUAL CONTROL		✓
HORN RESET		✓
LIGHTS		✓
RPM+/-		✓
PUMP ON		✓
PUMP VOLUME LINEARITY		✓
PUMP REVERSE		✓
COOLER		✓
DRIVE CYLINDER EXTEND RETRACT		✓
S-TUBE CYLINDER EXTEND RETRACT	Needs Nitrogen	✓
AGITATOR		✓
VIBRATOR		✓
EMERGENCY STOPS	gail repair to be done	REPAIRED
OUTRIGGERS		✓
WATER PUMP		✓



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RADIO REMOTE CONTROL		✓
HORN RESET		
LIGHTS		
RPM +/-		
PUMP ON		
PUMP VOLUME LINEARITY		
PUMP REVERSE		
COOLER		
AGITATOR		
VIBRATOR		
EMERGENCY STOPS		
OUTRIGGERS		
BOOM FUNCTIONS		
BOOM FAST/SLOW SWITCH		
ROTATION STOP		
BOOM REST SWITCH		
WATER PUMP		
Teach Proportionality and Linearity	Factory set	✓
CABLE REMOTE CONTROL		✓
HORN RESET		
LIGHTS		
RPM +/-		
PUMP ON		
PUMP VOLUME LINEARITY		
PUMP REVERSE		
COOLER		
AGITATOR		
VIBRATOR		
EMERGENCY STOPS		
OUTRIGGERS		
BOOM FUNCTIONS		
BOOM FAST/SLOW SWITCH		
ROTATION STOP		
BOOM REST SWITCH		
WATER PUMP		
PARTS ADDED, DAMAGED, TAKEN, AND/OR REPLACED		
<ul style="list-style-type: none"> • prox sensor • manual • historia de reparatos • Truck needs service! • nitrogen charge kit • (ram level sensor) • gauging ripples for cylinder pins • lock washers for plate • knowledgeable operator • PINS NOT REGISTERED COMPLETELY 		
TEST RESULTS: Pumping well, verify space for plates, detailed parts		
NAME:	Chiff Tsugawa	DATE: 5/20/10
SIGNATURE:		DATE: 5/20/10

* Note only 2 days allowed for this visit!