

RoGator PMI Checklist

Work Order:WN30266

Customer: USED AGCHEM PRIME

Date:1-29-16

Model:RG1100

Hours:1214

Engine Serial #:

Serial Number:AGCA1100CDNSL1117

Employee #:6105

MACHINE SECTIONS COMPONENTS	Not available / Not correct	OK	Adj / Replace / Repair Needed	Comments	Included on Repair Estimate
				Explain what needs adjusted, repaired or replaced	
I. Chassis					
A. Cab / Operators Station		X			
1 System Console		X			
a. Settings Correct		X			
b. Displays Correct Speed		X			
c. Boom Sections Operate Correctly		X			
d. Boom Hydraulic Functions Work Correctly		X			
e. Sump & Pump Functions Work Correctly		X			
2 Left Cab Door		X			
a. Proper fit		X			
b. Proper Seal		X			
c. Operate Freely		X			
d. Latch Securely		X			
e. Door Shock Operation			X	REPLACE DOOR SHOCK-STIFF	X
3 Glass Sealed and Glued Properly		X		WINDOWS TINTED	
4 Do Windows Fit Correctly		X			
5 Cab Lights Work Correctly	X				
6 Front Wiper Operation		X			
a. Operates at all speeds		X			
b. Wiper blade Centered		X			
c. Blade Contact on Window Properly		X			
d. Windshield Washer works properly			X	DIAGNOSE WASHER NOT WORKING	X
7 Cab Filters			X		
a. Recirculation Filter			X	REPLACE FILTER	X
b. Fresh Air Filter			X	REPLACE FILTER	X
c. Particle Filter			X	REPLACE FILTER	X
8 Blower Operation on All Speeds		X			
9 Any Vibration of Blower Fans		X			
10 Louvers Operate Freely		X			
11 Louvers Adjust Fully		X			
12 Defroster Flow Adequate		X			
13 Seat Operation		X			

a. Fore and Aft Adjustment		X			
b. Height Adjustment (Mechanical or Air)		X			
c. Swivel Adjustment (Both Directions)		X			
14 Armrests Operate Freely		X			
15 Armrests Positioned Properly		X			
16 Seat Belt Installed on Operator Seat		X			
17 Hydro Handle Functions Correctly		X			
a. Neutral Position Correct		X			
18 Cab Interior Condition Acceptable			X	NEEDS DETAILED	X
19 Headliner Clean and Free of Stains		X			
20 All Gauges Clear and Readable		X			
21 Radio Functions correctly		X			
22 Other		X			
B. Controls		X			
1 Steering Wheel Adjustments		X			
a. Tilts Properly and Freely		X			
b. Telescopes Properly and Freely		X			
c. Travels Freely		X			
d. Free of all Wiring and Connections		X			
2 Throttle Operates Smoothly		X			
a. Holds Position		X			
b. Centered in Slot		X			
c. Free of Obstructions			X	DIAGNOSE HYDRO HANDLE STIFF	X
3 Auto Pilot System Operates Correctly		X			
a. Foot Switch		X			
4 Brake Pedals Operation		X			
a. Operate Freely		X			
b. Feel Solid		X			
5 Parking Brake Operation		X			
a. Operates Properly		X			
b. Latch Securely	X				
c. Unlatch Easily	X				
6 Operates Smoothly In Forward/Reverse		X			
a. Shifts smoothly		X			
7 Other		X			
C. Electrical / Electronics		X			
1 Ignition Switch Operation		X			
a. Tight in Console		X			
2 Switches Installed and Fit Properly		X			
3 Neutral Start Switch Functions Properly		X			
4 Lights Operation		X			
a. Front Grill Lights		X			
b. Front Roof Lights	X				
c. Step / Handrail Lights		X			
d. Rear Roof Lights	X				
e. Rear Fender Lights		X			

f. Tail Lights		X			
g. 4-Way Warning Lights			X	REPLACE LT BOOM REST LIGHT	X
h. Left Turn Signal			X		
i. Right Turn Signal		X			
j. Extremity Lights		X			
k. Interior Lights		X			
5 Warning Light Panel Functions		X			
a. Engine Oil Pressure		X			
b. Air Pressure Light		X			
c. Hydraulic Oil Temp Light		X			
d. Park Brake Light		X			
e. Hydraulic Filter Light		X			
f. Hydraulic Pressure Light		X			
g. Coolant Temp Light		X			
h. Coolant Level Light		X			
i. Alternator Light		X			
j. Air Filter Restriction Light		X			
k. High Beam Indicator Light		X			
6 Gauge Operation		X			
a. Temperature Gauge		X			
b. Fuel Gauge		X			
c. Tachometer		X			
7 LCD Displays Operation		X			
a. All Segments Light up and operate		X			
b. Cycle between functions properly		X			
8 Master Apply Switch Works Properly		X			
9 Headland Management Switch		X			
10 Electrical Connectors Appear Tight		X			
11 Harnesses Routed Properly		X			
12 Harnesses Secured Properly		X			
13 Relay / Fuse Panel Secure		X			
a No corrosion present		X			
14 Battery Condition & Age		X			
15 Other		X			
D. Engine and Fuel System		X			
1 Fan Bearing Condition			X	REPLACE FAN-HAS MADE CONTACT WITH SHROUD	X
2 Engine Serial Number Visible		X			
3 Lines Free of Pinch Points		X			
4 No Fuel Leaks		X		REPLACE WORN FUEL LINE BY COOLER	X
5 Hoses and Lines Secured Properly		X			
6 Cooling System		X			
a. Coolant Level OK		X			
b. Free of Leaks		X			
c. Hose Clamps Positioned Properly		X			
d. Hose Clamps Tightened Properly		X			

e. Fan shroud installation		X			
7 Fan / Alternator Belt Tight			X	REPLACE CRACKING SERPENTINE BELT	X
8 Fan / Alternator Belt Aligned Properly		X			
9 Addidtion Fan Belt Idler Pulley Been Added		X			
10 No Engine Oil leaks			X	REPLACE VALVE COVER BREATHER	X
11 No Unusual Engine Noise			X	SET VALVES ON ENGINE	X
12 Intake System Connections Tight		X			
13 Intake Hoses Aligned Properly		X			
14 Air Cleaner Mounted Securely			X	REPLACE ENGINE AIR CLEANER	X
15 Air Filters Installed and Sealed Properly		X			
16 Exhaust System Sealed - No Leaks		X			
17 All Guards Installed Properly			X	INSTALL MISSING HARDWARE	X
18 All Guards Condition OK		X			
19 DEF System Status OK		X			
20 CAC Tube and Boots condition		X			
21 Other			X	REPLACE BOTH FRONT ENGINE MOUNTS	X
E. A/C And Heating Systems		X			
1 Compressor Mounting Secure		X			
2 Compressor Belt Tight		X			
3 Compressor Belt Aligned Properly		X			
4 Compressor Connections Secure		X			
5 Condenser Mounted Secure		X			
6 Evaporator Mounted Secure		X			
7 Evaporator Housing Sealed Properly		X			
8 Air Conditioner Hoses		X			
a. Properly Routed		X			
b. Properly Clamped		X			
c. Connections Tight		X			
d. Evaporator Drain Lines Function		X			
9 Air Conditioner Cools Properly					
10 Air Conditioner Controls Operate OK		X			
11 Heater Controls Operate OK		X			
12 Heater Shutoff Valves Operate OK		X			
13 Cab Filter Sealed OK		X			
14 Other		X			
F. Sheet Metal		X			
1 Does Hood Fit Properly		X			
2 Front Grill Positioned Correctly			X	REPLACE BOTTOM TRIM OF GRILL- CRACKED ON BOTH SIDES	X
3 Side Panels Positioned Correctly		X			
4 Paint Condition on Sheet Metal Acceptable		X			
5 Mirrors Tight and Secured Properly		X			
6 Insulation and Heat Shields Installed		X			
7 Tool Box Installation OK		X			
8 Protective Guards are in Place		X			

9 Sealing of Grill and Side Panels		X			
10 Other			X	REPLACE HOOD SHOCKS	X
G. Hydraulics		X			
1 Steering Hoses Properly Routed			X	REROUTE STEERING CYLINDER HOSES	X
2 Steering Hoses Secured Properly		X			
3 Hydraulic Connections Tight		X			
4 Hydraulic Functions Work Properly		X			
5 Hydraulic System Free of Leaks		X			
6 Tracking System Free of Leaks		X			
7 Hydro System Free of Leaks		X			
8 Drive Hoses Condition			X	REPLACE STEERING CYLINDER HOSES	X
9 All Other Hydraulic Hoses Condition			X	REPLACE SYSTEM HYD HOSE OFF HYDRO	X
10 Other			X	REPLACE DRIVE HOSES ONE L/F & L/R	X
H. Chassis		X			
1 Tire and Wheel Hardware Tight		X			
2 Torque Bars are Adjusted Correctly			X	REPLACE ALL FOUR FRONT TORQUE ARMS ON FRONT AXLE	X
3 Hardware Tightened Properly			X	WELD CRACK ON L/F WHEEL LEG	X
a. Front Support Bolts		X			
b. Engine to Hydros		X			
c. Axle Slide Pads Condition (FR, FL, RR, RL)			X	TIGHTEN BOLTS AND INSTALL MISSING	X
4 Gear Hub Oil Level is Correct		X			
a. Hub and Motor is Free of Leaks		X			
6 All Crossmembers Free of Cracks			X	REPLACE ALL 3 CROSSMEMBERS.	X
7 Check for Proper Tire Pressure		X			
8 Other			X	WELD CRACKED AIR BAG MOUNTS ON FRONT AXLE BOTH SIDES	X
I. Error Codes		X			
1 Any Error Codes Active					
2 Any Stored Error Codes					
J. Fluid Levels		X			
1 Engine Oil & Sample			X	CHANGE ENGINE OIL	X
2 Engine Coolant & Sample		X			
3 Hydraulic Oil & Sample			X	CHANGE HYDRAULIC OIL	X
4 Window Washer Fluid			X	ADD WASHER FLUID	X
5 Gearbox Oil & Sample		X			
6 Gear Hub Oil & Sample		X			
7 Other		X			
K. Test Drive		X			
1 Controls Easy to Reach and Operate		X			
2 Controls Operate Smoothly		X			
3 Drive & Charge Pressures Correct		X			
4 Cab Noise Acceptable		X			
5 Any Vibrations in Cab		X			

6 Engine Speeds		X			
a. Lo Idle		X			
b. Hi Idle		X			
7 Brakes Operate Properly		X			
8 Operates in all Gears		X			
9 All Functions Operate Properly		X			
10 No Warning Lights ON		X			
11 Other		X			
L. Overall Appearance		X			
1 Overall Appearance			X	MACHINE NEEDS CLEANED & DETAILED	X
2 Trim fit properly		X			
3 Any hazards		X			
4 Instrument Panel		X			
a. Does it Vibrate		X			
b. Any warnings		X			
c. Indicators operate properly		X			
5 Operators manual in Cab			X	NO MANUALS FOUND	
6 Other		X			
II. Liquid System		X			
A. Booms		X			
1. Break-away pressure		X			
a. within range		X			
2. Boom lead adjustment		X			
a. within tolerance		X			
3. Boom - racks properly		X			
4. Slide tubes		X			
a. greased			X	NEED GREASED	
b. excessive wear			X	WELD CRACKS AT TOP OF SLIDE TUBES	X
c. shim, if needed			X	REPLACE WEAR PADS	X
5. Boom frame hardware		X			
6. Tip break-away functions, ball joints and linkage adjustment					
7. Boom tubes			X	PAINT CENTER TREE MODIFICATIONS	X
a. cracks, welds, condition			X	WELD CRACKS ON TOP BOOM PIVOTS	X
8. Boom rest - structural integrity		X			
9. Boom tie down bolts and springs		X			
10. Other			X	UPDATE WORN PADS ON CENTER TREE	X
B. TANK		X			
1. Vent		X			
a. open		X			
2. Tank lid gasket		X			
a. in place		X			
b. condition		X			
3. Vent hose		X			
a. condition		X			
4. Tank bands		X			

a. tight		X		
5. Structural cracks		X		
6. Other		X		
C. TANK SADDLE		X		
1. Cracks		X		
2. Fender support		X		
3. System bolts		X		
4. Saddle, tree bolts - loose		X		
5. Other		X		
D. VALVES		X		
1. Reload panel		X		
2. Reload valve		X		
3. Sump valve		X		
4. Sparge valve - operation		X		
5. Product valve		X		
a. operation		X		
6. Other		X		
E. PLUMBING		X		
1. Product hose		X		
a. condition		X		
2. Cam lock couplers		X		
a. condition		X		
3. Stainless steel plumbing		X		
a. condition		X		
4. Other		X		
F. HYDRAULIC SYSTEM		X		
1. Fluid		X		
a. levels and appearance		X		
2. Valve bank operation		X		
3. Hydraulic filters			X	CHANGE HYDRAULIC FILTERS
4. Hydraulic hoses		X		
a. Condition		X		
b. routing		X		
5. Fold, level, and mast cylinder		X		
a. condition		X		
6. Tip fold cylinder - condition		X		
7. Break-away cylinders		X		
8. Hydraulic / Electric disconnect		X		
9. Other		X		
G. ELECTRICAL		X		
1. Connectors		X		
a. seals in place		X		
b. firmly connected		X		
2. Harnesses		X		
a. routed properly		X		

b. secured		X		
3. Other		X		
H. AIR SYSTEM		X		
1. Air dryer / Desiccant cart	X			
2. Air bags		X		
a. cab & suspension		X		
3. Boom actuator and boom valves		X		
a. operation		X		
4. Air box		X		
a. operation & condition		X		
5. Other		X		
I. FOAM MARKER		X		
1. Basic operation		X		
2. Solenoids working		X		
a. left / right		X		
3. Regulator adjusts		X		
4. Other		X		
J. FLUID FLUSH SYSTEM		X		
1. Tank, saddle, and bracing		X		
2. Valves and hoses		X		
3. Product recovery		X		
a. operation		X		
4. Other		X		
K. PRESSURE GAUGE SYSTEM		X		
1. Gauge		X		
a. operation		X		
2. Hoses		X		
a. damaged, cracked		X		
3. Pump switch in cab		X		
a. operational		X		
4. Sump switch in cab		X		
a. operational		X		
5. Other		X		
L. REMOTE SWITCH OPERATION		X		
1. Throttle system		X		
a. operation		X		
2. Chemical eductor system		X		
a. operational		X		
3. Eductor valve		X		
a. operational		X		
4. Remote pump, sump switches		X		
a. operational		X		
5. Increase / decrease switches		X		
a. operational		X		
6. Other		X		

M. CONTROLLER		X		
1. Console operation		X		
a. counts acres/gallons		X		
2. Flow meter, pressure trans.		X		
a. operational		X		
3. Other		X		
N. CONTROLLER		X		
1. Control valve		X		
2. Cabling		X		
3. Run hold operation		X		
4. Speed input		X		
5. Nozzle stops, Quick-stops		X		
a. leaking, bladders		X		
6. Other		X		
III. Granular System				
A. HYDRAULIC SYSTEM				
1. Oil				
a. level				
b. condition and appearance				
c. leaks				
2.External hydraulic leaks				
3.Hydraulic pump(s)				
a. drive line, U-joints, drive belt				
4.Hydraulic hose condition				
a. worn, cracked				
5.Hoses secured properly				
6.Hydraulic tank				
a. check for cracks, leaks				
7. Hydraulic cooler, if equipped				
a. plugged, rusty				
b. leaks				
8. Other				
B. BOX				
1. Overall condition				
- structural				
2. Conveyor adjustment				
- within spec				
3. Conveyor belt condition				
- wear, stretching				
4. Tie-down spring adjustments				
5. Sleeper boards on frame				
6. Gate height opening door				
- operation of mechanism				
7. Conveyor bearings				

- condition					
8. Conveyor motor					
- condition					
9. Conveyor functions properly					
10. Spinner blades					
- operational					
11. Spinner motor platform jack functional					
12. Pan test (optional)					
13. Other					
C. COMPONENT FUNCTIONS					
1. PTO on-light (depending on model)					
- operational					
2. All wiring harnesses and connections					
- condition					
3. Foam marker - operation and appearance					
4. Other					
D. CONTROLLER OPERATIONS					
Falcon controller					
- operational					
Raven controller					
- operational					
Raven harness and connections					
- operational					
Dickey-John controller					
- operational					
Dickey-John harness and connections					
- operational					
Mid-Tech controller					
- operational					
Mid-Tech harness and connections					
- operational					
Mark III controller					
- operational					
Mark III wiring and connections					
- condition					
Mark III system press wheel					
- operational					
Press wheel					
- condition					
Mark II control unit					
- condition					
Ground coordination control					
- operational					