



ANNUAL INSPECTION REPORT

Prepared By		Serial Number	10130	Model	UB40	Customer unit #	G9330 A
Customer				Date	December 6, 2017		
Contact				Phone #			
Address				Email Address			
City		State/Province	Missouri	Zip Code			
Inservice Date	March 15, 2008			<input type="checkbox"/> First Rebuild Completed	Date		
				<input type="checkbox"/> Second Rebuild Completed	Date		
				Rebuild is due on:	Date	March 15, 2018	
PTO HOURS	1457.14			CHASSIS HOURS	6302.3		
AUX ENG. HOURS	808.8			CHASSIS MILES	92882		

TEST AND REPORT LIMITATIONS

This report is provided to you with the understanding that ASPEN AERIALS, INC.'s responsibility is solely to conduct the inspection and assist you with the interpretation of the results. The decisions you make thereafter, concerning the equipment, are your responsibility. Aspen Aerials is not responsible for decisions you make or their consequences.

WARNING

This inspection determines the state of the equipment only at the time the inspection was performed! Any overloads, accidents or abuse of this equipment, after the test, could result in the inspection performed, no longer being valid. Structural damage may have occurred even though the equipment visually may appear intact and usable after said overloads accidents or abuse. Furthermore, materials experience a normal aging process whether abuse occurs or not. Therefore, the unit must be inspected before each use, to insure its structural integrity.

Description of codes used in this report	Defect Code
Immediate action is required - Take unit out of service	1 <u>CRITICAL</u>
Repair as soon as possible, it may become critical	2
Repair soon, next time the unit is in for maintenance	3
No repair needed. Area should be watched for further degradation	4
Review Notes prior to using unit	5
Item Inspected and no work is required	OK
Not Applicable	NA

WELDING NOTE

Aspen Aerials requires that all structural welding on this unit, be performed to AWS D1.1 steel and D1.2 aluminum standards. Contact the Service Department at Aspen Aerials for welding instructions, prior to any welding being performed.

MANUALS AND DECALS

Defect Code OK

- ☒ ANSI/SIA Manual of Responsibilities in the manual storage box
- ☒ Operators & Service manual with truck
- ☒ Capacity decals in place, secure & legible, at all control stations
- ☒ All safety & instructional decals installed, secure and legible.

Notes:

Keep a copy of the operators manual with the unit at all times.

Replace any decals that are unreadable.

TRUCK CAB AND UNIT POWER PANEL

Defect Code OK

- ☒ Chassis instrument panel checked
- ☒ Unit power, switch panel checked and operational
 - ☒ 2 - Speed
 - ☐ Tag/Pusher Axle function
 - ☐ Tag/Pusher Axle pressure
- ☒ Windshield
- ☒ Lights

Notes:

Everything was compliant during inspection

ELECTRICAL WIRES AND HYDRAULIC HOSES

Defect Code OK

Wires Hoses

- ☒ ☒ Secured , ties and clamps checked
- ☒ ☒ Pivot points and access holes checked
- ☒ ☒ Checked for wear and rubbing
- ☒ ☒ Wrap and protective covering in place
- ☒ Din Connectors
- ☒ 12Volt
- ☒ 120Volt

Notes:

Monitor the hoses and wires running through the booms and turntables for proper slack, adjust as needed. Make sure all exposed hoses and wires are covered with hose guard.

Replaced leaking hose during inspection.

LIMIT SYSTEM

Defect Code OK

- ☒ Test all switches for proper functioning
- ☒ Mounting
- ☒ T-2 plate, switch contact
- ☒ Axle Lock Interlock
- ☒ Limit switch function panel checked
- ☒ LED Lights

Type L.E.D Box with Lights

Notes:

Everything was compliant during inspection

HYDRAULIC CYLINDERS

Defect Code OK

- ☒ Check for leaks or damage
- ☒ Visually Inspect Welds
- ☒ Fittings
- ☒ Holding Valves
- ☒ Pins
- ☒ Check for Rust/Corrosion
- ☒ Check that updates are installed

Notes:

Keep all exposed cylinder rods lubricated when not in use.

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INTERCOM SYSTEM

Test ☒ Cab station ☒ Platform station
☒ T1 station ☒ Check headset at each station
Number of headset stations two

☒ Wires
☒ Fasteners

Defect Code OK

Notes:

Worked from all stations

CONTROL SYSTEM

☒ All joysticks/push button controls return to neutral when released
☒ Check condition of control enclosures and protective boots
☒ Check control enable system ☐ Fast Slow function
☒ Foot Switch, if equipped ☐ Control Adjustment function
☐ Cable Connections ☒ Platform Controller
☒ Control Set Installation ☒ Ground Controller

Is unit equipped with a Plus-One system? No

Was a program revision installed during this inspection? No

Defect Code OK

Notes:

Worked from all stations.

Program Rev. NA

Ground Control # NA

Platform Control # NA

Type of Controls NBB NANO-M-A2

CHASSIS, SUBFRAME, PEDESTAL, DECK, BODY

☒ Visually Inspect Welds ☒ Engine Area
☒ Suspension ☒ Mud Flaps
☒ Frame Clips ☒ Lights
☒ Mounting Bolts ☒ Tag/Pusher Axle Components
☒ Body boxes ☒ Check subframe condition

☒ Tires

Defect Code OK

Notes:

Keep all exposed cylinder rods lubricated when not in use.

AUXILIARY ENGINE, COMPRESSOR, GENERATOR

☒ Battery connections checked
☒ Hoses/Wires ☒ Engine Oil
☒ Mounting ☒ Coolant
☒ GFI Outlets ☒ Belts
☒ Load Center ☒ Exhaust
☒ AC Electrical System

Defect Code OK

Notes:

Everything worked during inspection.

Generator output 120v@60hz

Air compressor loads 135psi

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Air Filter Part # 650971

Oil Filter Part # 651965

Fuel Filter Part # 651967

HYDRAULIC SYSTEM

Defect Code

- ☒ Hydraulic fluid level
- ☒ Tank condition, gauges, filters, cap
- ☒ Check hydraulic pressures and ensure proper adjustment
- ☒ PTO and Pump operation ☒ Truck ☒ Auxiliary engine
- ☒ Port reliefs
- ☒ Perform holding valve test
- ☒ Emergency Override System
- ☒ Axle Lock / Unit Selector
- ☒ Mounting of Components
- ☒ Dump Valve Blocks

Notes:

Aspen Aerials recommends that all filters get replaced annually and the hydraulic fluid be replaced every five years.

Return Filter Part #

Pressure Filter Part #

Leveling Filter Part #

AXLE LOCK AND COUNTERWEIGHT SYSTEMS

Front Locks Rear Locks

- ☒ ☒ Visually Inspect Welds
- ☒ ☒ Operation, in/out, contact with switches
- ☒ ☒ Wires and hoses routing checked
- ☒ ☒ Check clearances
- ☒ ☒ Lubrication
- ☒ ☒ Cylinders
- ☒ ☒ Fasteners

Rear Sliding counterweight installed?

Defect Code

Notes:

Everything was compliant during inspection

- ☐ Operation, in/out, contact with switches
- ☐ Diverter valve and springs checked
- ☐ Drive System

TURNTABLES #1 AND #2

- ☒ Turntable bolts inspected and torque tested ☒ T1 ☒ T2
- ☒ Check operation ☒ T1 ☒ T2
- ☒ Visually inspect bearings
- ☒ Gear Box Mounting ☒ Gear Box Operation
- ☒ Pins
- ☒ Bushings ☒ Leveling Arms, if equipped
- ☒ Lubrication ☒ Leveling Arm Pin , if equipped
- ☒ Guards ☐ T2 leveling Cylinder , if equipped

Defect Code

Notes:

Everything was compliant during inspection

Are brakes installed?

Brake torque value T-1 ft/lbs

Brake torque value T-2 ft/lbs

Serial Number

BOOMS

Defect Code

- ☒ Visually inspect welds
- ☒ Visually inspect all cylinder connections

- | | |
|---|--|
| <input checked="" type="checkbox"/> Pins | <input checked="" type="checkbox"/> Rollers |
| <input checked="" type="checkbox"/> Bushings | <input checked="" type="checkbox"/> Wearpads |
| <input checked="" type="checkbox"/> Lubrication | <input checked="" type="checkbox"/> Tie Down Strap |
| <input checked="" type="checkbox"/> Guards | <input checked="" type="checkbox"/> Boom Rest |

- ☒ Linkarms/Pivots

Boom Wear Pad Measurements (A-52)

Notes:

PLATFORM or WALKWAY

Defect Code

- | | |
|---|---|
| <input checked="" type="checkbox"/> Check mounting installation | <input checked="" type="checkbox"/> Platform Rests |
| <input checked="" type="checkbox"/> Visually inspect welds and construction | <input checked="" type="checkbox"/> Slide Condition |
| <input checked="" type="checkbox"/> Access door latches working properly | <input checked="" type="checkbox"/> Wear Pads |
| <input checked="" type="checkbox"/> Check for loose and missing parts | <input checked="" type="checkbox"/> Tie off Connection |
| <input checked="" type="checkbox"/> Safety lanyard connections | <input checked="" type="checkbox"/> Ladder (if installed) |

Notes:

- ☒ Heater operation

- ☒ 12V light receptacles

- ☒ 120v/220v Electrical Outlets

TILT ALARM / ENGINE KILL SYSTEMS

Test engine kill system ☒ T1 ☒ Platform ☒ CabOther Locations

- ☒ Test stepping relays

- ☒ Test tilt alarm horn operation

- ☒ Check mounting installation

Defect Code

Notes:

OTHER

Defect Code

Unauthorized Modifications or Additions

- ☒ Paint and overall appearance
- ☒ Applicable safety bulletins completed
- ☒ Greasing and lubricating

- ☒ Decals

Is hy-rail gear installed on this unit?

☐ Hy-rail operation☐ Hy-rail visual inspection

Notes:

Any changes in personnel or ownership? Customer Comments? Other notes.

Serial Number

MAINTENANCE RECOMMENDATIONS

1. Protect the exposed cylinder rods by applying a light coating of oil at least once a week.
2. When necessary, adjust all hydraulic hoses and electrical wires through the booms and pivot points.
3. Maintain the proper tire pressure, as recommended by the tire manufacturer.
4. Lubricate the unit as recommended in the service manual. Remove excessive grease.
5. Lubricate the T-1 and T-2 rotation gear teeth with open gear compound when gear teeth become dry.
6. Replace all hydraulic filters annually.
7. Test oil yearly. Change at least every 5 years
8. Remove rust that develops on components and repaint, as necessary.
9. The pin connections and boom pivot points must be kept clean and free of excessive grease and debris to allow for proper pre-operation and frequent inspections.
10. Clean and lubricate the axle lock assemblies, as required.
11. Clean and lubricate the sliding counterweight components at regular intervals (if installed).
12. The ball screw device on the sliding counterweight must be lubricated every 80 hours of operation. Use white lithium grease.
13. Lubricate the hydraulic diverter valves, at the rear sliding counterweight, weekly. Use silicone.
14. Clean the switches and buttons with electrical contact cleaner, monthly.
15. Clean dump valve cartridges, as necessary, to prevent corrosion. Apply dielectric grease for protection.
16. Each day, before the unit is operated, perform a pre-operation inspection.
17. Perform frequent inspections every 3 months or 200 hours, whichever occurs first.
18. Perform all service procedures, as outlined in the manufacturers parts and service manual.

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