



A TIME MANUFACTURING COMPANY

Aspen Aerials, Inc. 4303 West 1st Street Duluth, Minnesota 55807-2759 USA

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# ANNUAL INSPECTION REPORT

Prepared By  Serial Number  Model  Customer unit #

Customer  Date

Contact  Phone #

Address  Email Address

City  State/Province  Zip Code

Inservice Date  ☐ First Rebuild Completed Date

☐ Second Rebuild Completed Date

Rebuild is due on: Date

PTO HOURS

CHASSIS HOURS

AUX ENG. HOURS

CHASSIS MILES

## 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
<b>Review Notes</b> 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

- ☒ 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.

TRUCK CAB AND UNIT POWER PANEL

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

ELECTRICAL WIRES AND HYDRAULIC HOSES

Wires	Hoses
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Secured , ties and clamps checked
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Pivot points and access holes checked
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Checked for wear and rubbing
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Wrap and protective covering in place
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Din Connectors
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 12Volt
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 120Volt

LIMIT SYSTEM

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

Type Plus One Sytem

HYDRAULIC CYLINDERS

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

Serial Number 10202

Defect Code OK

Notes:  
Keep a copy of the operators manual with the unit at all times.  
Everything was compliant at time of inspection.

Defect Code OK

Notes:  
Everything was compliant at time of inspection.

Defect Code #2

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 wrap. Turret 2 hoses and wires should be repositioned and wrapped in hose wrap to not allow damage.  
Multiple hoses in boom 3 catrac are dry rotting and cracked. Recommend replacing.

Defect Code #2

Notes:  
Boom 4 angle switch broken. Recommend replacing.  
Platform rotation switch adjusted at time of inspection.

Defect Code #2

Notes:  
Keep all exposed cylinder rods lubricated when the truck is not in use.  
Boom 1 cylinder and turret 2 leveling cylinder have pitting. Recommend keeping cylinders lubricated at all times.



## INTERCOM SYSTEM

- Test ☒ Cab station ☒ Platform station  
☒ T1 station ☒ Check headset at each station
- Number of headset stations three
- ☒ Wires  
☒ Fasteners

Defect Code OK

Notes:

Intercoms working at time of inspection.

## 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? Yes

Was a program revision installed during this inspection? No

Defect Code #2

Notes:

DP600 has dark spots in the screen. Recommend replacing before unreadable.

Type of Controls NBB HyPro 8 with Cable

Program Rev. REV 219

Ground Control # 9600102773

Platform Control # 9600102838

## 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 #3

Notes:

Monitor air pressure in tires at all times.

Rear ladder bent and won't come down. Recommend repairing/replacing.

2/4 tag axle tires chewed up. Recommend replacing if they worsen.

Mud flaps on tag axle missing both sides. Recommend replacing.

## AUXILIARY ENGINE, COMPRESSOR, GENERATOR

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

Defect Code #3

Notes:

Auxiliary engine motor oil a little dark. Recommend changing,

Air Filter Part # 650971/652089

Oil Filter Part # 651965

Fuel Filter Part # 651967

Generator output 120 VAC @ 60Hz

Air compressor loads

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## HYDRAULIC SYSTEM

- ☒ 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

Defect Code #4

### Notes:

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

Hydraulic fluid on lines underneath truck behind hydraulic tank. Recommend cleaning and monitoring to see where leak is coming from.

Hydraulic oil reservoir low on hydraulic fluid. Recommend topping off.

Return Filter Part #095664

Pressure Filter Part #096703

Leveling Filter Part #096703

Defect Code OK

### Notes:

Front axle lock spring bolts tightened to specification.

One bolt on driver side mounting plate loose. Tightened to specification at time of inspection.

Driver side rear axle lock side plate bolts loose. Taken out and refastened with red loctite at time of inspection.

Rear axle locks disassembled, inspected, greased, assembled and adjusted at time of inspection.

☒ Diverter valve and springs checked

☒ Drive System    ☒ Operation, in/out, contact with switches

Defect Code #3

### Notes:

Turn table gears very dry. Recommend using open gear lube to lubricate.

## 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
- ☒    ☒ Torque Mounting Bolts
- ☒    ☒ Torque Spring Bolts

Rear Sliding counterweight installed? Yes

## TURNABLES #1 AND #2

- ☒ Turntable bolts inspected and torque tested    ☒ T1    ☒ T2
- ☒ Visually inspect bearings    T1 245 ft/lbs    T2 245 ft/lbs
- ☒ Check operation    ☒ T1    ☒ T2
- ☒ Gear Box Mounting    T1 81 ft/lbs    T2 81 ft/lbs
- ☒ Gear Box Operation    ☒ T1    ☒ T2
- ☒ Pins    ☐ Leveling Arms, if equipped
- ☒ Bushings    ☐ Leveling Arm Pin, if equipped
- ☒ Lubrication    ☒ T2 leveling Cylinder, if equipped
- ☒ Guards

Are brakes installed? No    Brake torque value T-1 N/A ft/lbs  
 Brake torque value T-2 N/A ft/lbs

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BOOMS

☒ Visually inspect welds

☒ Visually inspect all cylinder connections

☒ Pins

Are pin keepers installed? ☒ Yes

81 ft/lbs

☒ Bushings

120 ft/lbs

☒ Lubrication

☒ Rollers

☒ Wearpads

☒ Guards

☒ Tie Down Strap

☒ Boom Rest

☒ Linkarms/Pivots

Boom Wear Pad Measurements (A-52)

N/A

Defect Code #3

Notes:

Boom 3 stow pad broken. Recommend repairing/ replacing.  
Platform half moon rest pad damaged. Recommend replacing.

PLATFORM or WALKWAY

☒ Check mounting installation

☒ Platform Rests

☒ Visually inspect welds and construction

☒ Slide Condition

☒ Access door latches working properly

☒ Wear Pads

☒ Check for loose and missing parts

☒ Tie off Connection

☒ Safety lanyard connections

☐ Ladder (if installed)

☒ Heater operation

☒ 12V light receptacles

Defect Code OK

Notes:

Everything was compliant at time of inspection.

TILT ALARM / ENGINE KILL SYSTEMS

Test engine kill system

☒ T1 ☒ Platform ☒ Cab

Other Locations

Rear of subframe on both sides.

☒ Test stepping relays

☒ Test tilt alarm horn operation

☒ Check mounting installation

Defect Code OK

Notes:

Engine kill stops all operational at time of inspection.  
Tilt alarm operational at time of inspection.

OTHER

Unauthorized Modifications or Additions

No

☒ Paint and overall appearance

☒ Applicable safety bulletins completed

☒ Greasing and lubricating

☒ Decals

Is hy-rail gear installed on this unit?

No

☐ Hy-rail operation

☐ Hy-rail visual inspection

Defect Code OK

Notes:

Everything was compliant at time of inspection.

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

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