

# ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

**Owner:** \_\_\_\_\_ **S/N** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Test and Report Limitations:

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

## WARNING!

This inspection determines the state of the equipment at the time the inspection was performed only! Any overloads, accidents or abuse of this equipment after the test could result in the inspection performed no longer being valid, as 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 assure its structural integrity. Aspen Aerials requires that all welding performed on this unit be performed by personnel certified in and in accordance with the most recent American National Standard / American Welding Society, Structural Welding Code.

Vitals:            Truck Mileage: \_\_\_\_\_  
                      Truck engine hours: \_\_\_\_\_  
                                  PTO hours: \_\_\_\_\_  
                      Auxiliary engine hours: \_\_\_\_\_  
                      Air Compressor hours: \_\_\_\_\_

## Manuals / Decals

- Chassis
- Truck cab
- Turntables
- Platform

## Truck Cab

- Lights
- Gauges
- Brakes
- Switches and control panel
- Two speed
- Tag axle controls
- Windshield

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

### **Intercom**

- Operation
- Fasteners
- Wires
- Head sets

### **Electrical wires**

- 12 volt wires
- 110 volt wires
- Protection (wrap)
- Fasteners
- Clamps
- Din connectors
- Note all wires for entire unit including the chassis area

### **Hydraulic Hoses**

- Fittings
- Protection (wrap)
- Fasteners
- Clamps
- Note all of the hydraulic hoses for entire unit in this area

### **Limit System**

- Operation
- Fasteners
- LED lights
- Mounting
- Turntable two plate

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

### **Control System**

- Operation and adjustment
- Joystick condition
- Control cable and connectors
- Fasteners

### **Control System (continued)**

- Foot switches
- Basket / Remote
- Fast / Slow speed and toggle switch
- Platform leveling control board
- Plus one
- Control adjustment keypad

### **Engine Shutdown**

- Operation
- Mounting
- Relays (stepping & 30 amp)

### **Hydraulic System Components**

- Primary hydraulic pump
- Secondary hydraulic pump
- Override
- Axle lock control valves
- Sliding counterweight control valve
- Sliding counterweight diverter valves
- Rail gear control valves
- Hydraulic orbit motors: rotation gearboxes, sliding counterweight

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

- Unit main control valves
- Dump manifold
- Operation
- Mounting / fasteners

### **Hydraulic System Components (continued)**

- Hydraulic tank
- Cooler
- Filters
- Gauges

### **Chassis**

- Truck engine
- Transmission (reversing transmission on rail units would be noted here)
- Fasteners
- Other hoses
- Mud Flaps
- Tires & wheels
- Suspension
- Tag axle system: shocks, fasteners, air hoses, air cylinder, air bags, operation / controls.

### **Sub-frame & Pedestal**

- Fasteners
- Frame clips
- Cross members
- Compartments
- Body boxes

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

### **Auxiliary Engine** (pump to be noted at hydraulics system section)

- Operation
- Fluid levels & condition
- Filters
- Belts
- Hoses
- Fasteners

### **Compressed Air System**

- Operation
- Mounting
- Hoses
- Lubrication
- Fasteners

### **Electrical System AC**

- Generator
- Outlets
- Load center
- Heaters

### **Axle Locks (front)**

- Structure
- Clearance
- Lubrication
- Operation
- Fasteners

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

### **Axle Locks (rear)**

- Structure
- Clearance
- Lubrication
- Operation
- Fasteners

### **Counterweights (sliding, fixed at rear and front and turntable one)**

- Structure
- Clearance
- Ball / screw
- Cylinder
- Fastener
- Lubrication
- Operation

### **Turntable One**

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- Structure
- Gearbox
- Pins/bushings
- Operation
- Lubrication
- Fasteners

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

### **Cylinders (hydraulic actuators)**

- Front axle locks
- Rear axle locks
- Sliding counterweight
- Boom one
- Turntable two leveling
- Boom two
- Boom three
- Boom three extension
- Boom four
- Boom four extension
- Basket leveling
- Basket leveling rotator
- Front rail gear
- Rear rail gear

### **Boom #1**

- Structure
- Pins/bushings
- Operation
- Leveling arms
- Lubrication
- Fasteners

## ASPEN AERIALS UNDER BRIDGE FREQUENT INSPECTION CHECK LIST

### **Turntable Two**

- Structure
- Gearbox
- Pins/bushings
- Operation
- Lubrication
- Fasteners
- T2 Leveling cylinder

### **Boom #2**

- Structure
- Pins/bushings
- Operation
- Lubrication
- Fasteners

### **Boom #3**

- Structure
- Pins/bushings
- Extension rollers
- Wear pads
- Extension structure
- Operation
- Lubrication
- Fasteners
- Catrac



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### **Boom #4**

- Structure
- Pins/bushings
- Extension
- Rollers
- Wear pads
- Operation
- Lubrication
- Fasteners

### **Platform Leveling System**

- Structure
- Pins/bushings
- Operation
- Lubrication
- Fastener

### **Platform/Basket**

- Structure
- Pins/bushings
- Operation
- Lubrication
- Fastener
- Tie off connections
- D/C outlets
- A/C outlets

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**Boom & Basket Rest/Support System**

- Tie down
- Boom rest
- Basket rest
- Fasteners

**Walkway**

- Structure
- Extension
- Pins/bushings
- Cylinder
- Operation
- Lubrication
- Fastener
- Tie off connections
- D/C outlets
- A/C outlets

**Rail Gear**

- Brakes
- Lock pins
- Pins

**Other**

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