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

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

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

- 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

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

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

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

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

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

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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_____
_____
_____
_____
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