



MAINTENANCE & INSPECTION LOG

DAILY • MONTHLY • QUARTERLY • ANNUAL



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Tire Truck Inspection Log

This log is for recording daily, monthly, quarterly, and annual inspections. Each inspection should be marked with a “check” for passing or an “x” for failure requiring a corrective action. At the end of this log, you will find a series of pages intended to document all the items that required corrective action. Note: Please refer to the corresponding Owner’s Manuals for additional information regarding the service of this equipment.

Body Serial:

Crane Serial:

Air Compressor Serial:

For Technical Questions, Information, Parts, or Warranty, Call Toll-Free at
800-321-3741

Hours: Monday - Friday, 8:00 a.m. - 5:00 p.m. CST

Or email at the following addresses:

Technical Questions, and Information:

service@stellarindustries.com

Order Parts:

parts@stellarindustries.com

Warranty Information:

warranty@stellarindustries.com

Tire Truck Inspection Log

Daily and monthly inspections are to be performed by a “designated” person, who has been selected by the employer or the employer’s representative as being competent to perform specific duties.

Quarterly and annual inspections are to be performed by a “qualified” person who, by possession of a recognized degree in an applicable field or certificate of professional standing, or who, by extensive knowledge, training and experience has successfully demonstrated the ability to solve or resolve problems related to the subject matter and work.

One hour of normal crane operation assumes 20 complete cycles per hour. If operation exceeds 20 cycles per hour, inspection frequency should be increased accordingly.

Consult the corresponding Owner’s Manual for additional inspection items.

Before inspecting and operating the crane, make certain that the crane is set up away from power lines and leveled with stabilizers fully extended.

Daily: Before each day of operation, those items on the Daily Inspection sheet must be inspected and recorded.

Monthly: Monthly inspections or 100 hours of normal operation (which ever comes first) includes all daily and monthly inspection items plus items designated on the Monthly Inspection sheet. This inspection must be recorded.

Quarterly: Every three months or 300 hours of normal operation (which ever comes first) includes all daily and monthly inspection items plus items designated on the Quarterly Inspection sheet. This inspection must be recorded.

Annual: Each year or 1200 hours of normal operation (which ever comes first) includes all items on this form which encompasses daily, monthly, and quarterly inspections plus those items designated on the Annual Inspection sheet. This inspection must be recorded.



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____



Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



1st Quarterly Tire Truck Inspection Part1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
All monthly inspections	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
All structural members for deformation, cracks & corrosion	
Base	
Stabilizer beams & legs	
Mast	
Inner boom	
Outer boom	
Extension(s)	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Inner boom pivot pin(s) & retainers	
Outer boom pivot pin(s) & retainers	
Inner boom cylinder pin(s) & retainers	
Outer boom cylinder pin(s) & retainers	
Extension cylinder pin(s) & retainers	
Boom tip attachments	

Tire Crane	Pass/Fail
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Pressure lines from pump to control valve	
Return lines from control valve to reservoir	
Suction lines from reservoir to pump	
Pressure lines from control valve to each function	
Load holding valve pipes and hoses	
Pumps and motors for loose bolts/fasteners, leaks, noise, vibration, loss of performance, heating and excess pressure	
Rotation motors	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	
Hydraulic valves for cracks, spool return to neutral, sticking spools, relief valve failure	
Main control valve	
Load holding valve	
Stabilizer or auxiliary control valves	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	
Stabilizer cylinders	
Inner boom cylinder	
Outer boom cylinder	
Extension cylinder	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



1st Quarterly Tire Truck Inspection Part 2 of 2

Month: _____

Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
All monthly inspections	
All structural members for deformation, cracks & corrosion	
Main body	
Extensions/Arms	
Pads	
Link arm	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
Rotation pad mounting bolts for proper torque (continuous rotation models)	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	

Body	Pass/Fail
All daily inspections	
All monthly inspections	
Inspect body frame and mounts for cracks, distortion and loose hardware	
Inspect body panels, compartments and crane box for cracks & distortion	
Check for any excessive rust, corrosion or peeling paint	
Check for any bent or damaged doors & ensure all close properly. Check all latches and hinges for proper operation	
Check boom rest weldments and welds for damage, cracks or distortion	
Air Compressor	Pass/Fail
All daily inspections	
All monthly inspections	
Replace air filters	
Tighten all fittings & fasteners	
Check all electrical connections	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____



Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____



Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



2nd Quarterly Tire Truck Inspection Part 1 of 2

Month: _____

Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
All monthly inspections	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
All structural members for deformation, cracks & corrosion	
Base	
Stabilizer beams & legs	
Mast	
Inner boom	
Outer boom	
Extension(s)	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Inner boom pivot pin(s) & retainers	
Outer boom pivot pin(s) & retainers	
Inner boom cylinder pin(s) & retainers	
Outer boom cylinder pin(s) & retainers	
Extension cylinder pin(s) & retainers	
Boom tip attachments	

Tire Crane	Pass/Fail
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Pressure lines from pump to control valve	
Return lines from control valve to reservoir	
Suction lines from reservoir to pump	
Pressure lines from control valve to each function	
Load holding valve pipes and hoses	
Pumps and motors for loose bolts/fasteners, leaks, noise, vibration, loss of performance, heating and excess pressure	
Rotation motors	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	
Hydraulic valves for cracks, spool return to neutral, sticking spools, relief valve failure	
Main control valve	
Load holding valve	
Stabilizer or auxiliary control valves	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	
Stabilizer cylinders	
Inner boom cylinder	
Outer boom cylinder	
Extension cylinder	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



2nd Quarterly Tire Truck Inspection Part 2 of 2

Month: _____

Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
All monthly inspections	
All structural members for deformation, cracks & corrosion	
Main body	
Extensions/Arms	
Pads	
Link arm	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
Rotation pad mounting bolts for proper torque (continuous rotation models)	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	

Body	Pass/Fail
All daily inspections	
All monthly inspections	
Inspect body frame and mounts for cracks, distortion and loose hardware	
Inspect body panels, compartments and crane box for cracks & distortion	
Check for any excessive rust, corrosion or peeling paint	
Check for any bent or damaged doors & ensure all close properly. Check all latches and hinges for proper operation	
Check boom rest weldments and welds for damage, cracks or distortion	
Air Compressor	Pass/Fail
All daily inspections	
All monthly inspections	
Replace air filters	
Tighten all fittings & fasteners	
Check all electrical connections	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



3rd Quarterly Tire Truck Inspection Part 1 of 2

Month: _____

Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
All monthly inspections	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
All structural members for deformation, cracks & corrosion	
Base	
Stabilizer beams & legs	
Mast	
Inner boom	
Outer boom	
Extension(s)	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Inner boom pivot pin(s) & retainers	
Outer boom pivot pin(s) & retainers	
Inner boom cylinder pin(s) & retainers	
Outer boom cylinder pin(s) & retainers	
Extension cylinder pin(s) & retainers	
Boom tip attachments	

Tire Crane	Pass/Fail
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Pressure lines from pump to control valve	
Return lines from control valve to reservoir	
Suction lines from reservoir to pump	
Pressure lines from control valve to each function	
Load holding valve pipes and hoses	
Pumps and motors for loose bolts/fasteners, leaks, noise, vibration, loss of performance, heating and excess pressure	
Rotation motors	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	
Hydraulic valves for cracks, spool return to neutral, sticking spools, relief valve failure	
Main control valve	
Load holding valve	
Stabilizer or auxiliary control valves	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	
Stabilizer cylinders	
Inner boom cylinder	
Outer boom cylinder	
Extension cylinder	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



3rd Quarterly Tire Truck Inspection Part 2 of 2

Month: _____

Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
All monthly inspections	
All structural members for deformation, cracks & corrosion	
Main body	
Extensions/Arms	
Pads	
Link arm	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
Rotation pad mounting bolts for proper torque (continuous rotation models)	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	

Body	Pass/Fail
All daily inspections	
All monthly inspections	
Inspect body frame and mounts for cracks, distortion and loose hardware	
Inspect body panels, compartments and crane box for cracks & distortion	
Check for any excessive rust, corrosion or peeling paint	
Check for any bent or damaged doors & ensure all close properly. Check all latches and hinges for proper operation	
Check boom rest weldments and welds for damage, cracks or distortion	
Air Compressor	Pass/Fail
All daily inspections	
All monthly inspections	
Replace air filters	
Tighten all fittings & fasteners	
Check all electrical connections	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____



Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



Monthly Tire Truck Inspection Part 1 of 2

Month: _____ Year: _____



Tire Crane	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Control valve for leaks at fittings and between sections	
Control valve linkages for wear, smoothness of operation and tightness of fasteners. Relief valve for proper pressure settings	
Bent, broken or significantly rusted/corroded parts	
Electrical systems for presence of dirt, moisture & frayed wires	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	

Tire Crane	Pass/Fail
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Transmission/PTO for leakage, abnormal vibration & noise, alignment & mounting bolt torque	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Load hook for abnormal throat distance, twist, wear & cracks	
Presence of operator's manuals with the unit	
Tire wear and air pressure	
Working backup alarm	
Fire extinguisher at cab or machinery housing	
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	



Monthly Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
Visual inspection of cylinders for leakage at rod, fittings & welds. Damage to rod and case	
Holding valves for proper operation	
Bent, broken or significantly rusted/corroded parts	
All structural members for damage	
All welds for breaks & cracks	
All pins for proper installation & condition	
All bolts, fasteners & retaining rings for tightness, wear & corrosion	
Condition of wear pads	
Hydraulic pumps & motors for leakage at fittings, seals & between sections. Check tightness of mounting bolts	
Hoses & tubes for leakage, abrasion damage, blistering, cracking, deterioration, fitting leakage & secured properly	
Presence of operator's manuals with the unit	

TireMan	Pass/Fail
Grease rotation gear open gear teeth	
Grease all cylinder pivot points	
Lubricate extension booms	
Check oil level in body rotation gear box. Inspect pinion gear for any damage or broken teeth	
Body	Pass/Fail
All daily inspections	
Air Compressors	Pass/Fail
All daily inspections	



4th Quarterly Tire Truck Inspection Part 1 of 2

Month: _____

Year: _____

Pass

Fail

Tire Crane	Pass/Fail
All daily inspections	
All monthly inspections	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
All structural members for deformation, cracks & corrosion	
Base	
Stabilizer beams & legs	
Mast	
Inner boom	
Outer boom	
Extension(s)	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Inner boom pivot pin(s) & retainers	
Outer boom pivot pin(s) & retainers	
Inner boom cylinder pin(s) & retainers	
Outer boom cylinder pin(s) & retainers	
Extension cylinder pin(s) & retainers	
Boom tip attachments	

Tire Crane	Pass/Fail
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Pressure lines from pump to control valve	
Return lines from control valve to reservoir	
Suction lines from reservoir to pump	
Pressure lines from control valve to each function	
Load holding valve pipes and hoses	
Pumps and motors for loose bolts/fasteners, leaks, noise, vibration, loss of performance, heating and excess pressure	
Rotation motors	
Check oil level in main rotation gear box. Inspect pinion gear for any damage or broken teeth	
Hydraulic valves for cracks, spool return to neutral, sticking spools, relief valve failure	
Main control valve	
Load holding valve	
Stabilizer or auxiliary control valves	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	
Stabilizer cylinders	
Inner boom cylinder	
Outer boom cylinder	
Extension cylinder	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	

STELLAR 4th Quarterly Tire Truck Inspection Part 2 of 2
 Month: _____ Year: _____

Pass

Fail

TireMan	Pass/Fail
All daily inspections	
All monthly inspections	
All structural members for deformation, cracks & corrosion	
Main body	
Extensions/Arms	
Pads	
Link arm	
Check all pins, bearings, shafts, gears, rollers & locking devices for wear, cracks, corrosion & distortion	
Hoses, fittings & tubing for proper routing, leakage, blistering, deformation & excessive vibration	
Rotation bearing for proper torque of all mounting bolts	
Grease worm drive bearings	
Base mounting bolts for proper torque	
Rotation pad mounting bolts for proper torque (continuous rotation models)	
Hydraulic cylinders for drifting & leakage. Rods for nicks/scores/ dents. Castor damage. Case & rod ends for damage/abnormal wear	

Body	Pass/Fail
All daily inspections	
All monthly inspections	
Inspect body frame and mounts for cracks, distortion and loose hardware	
Inspect body panels, compartments and crane box for cracks & distortion	
Check for any excessive rust, corrosion or peeling paint	
Check for any bent or damaged doors & ensure all close properly. Check all latches and hinges for proper operation	
Check boom rest weldments and welds for damage, cracks or distortion	
Air Compressor	Pass/Fail
All daily inspections	
All monthly inspections	
Replace air filters	
Tighten all fittings & fasteners	
Check all electrical connections	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



Annual Tire Truck Inspection Part 1 of 2

Month: _____

Year: _____

Pass

Fail

Crane	Pass/Fail
All daily inspections	
All monthly inspections	
All quarterly inspections	
Control valve calibration for correct pressures & relief valve settings	
Safety valve calibration for correct pressures & relief valve settings	
Valves for failure to maintain correct settings	
Rotation drive system for proper backlash clearance & abnormal wear, deformation & cracks	
Gear oil change in rotation drive system per maintenance schedule	
Check tightness of all fasteners and bolts	
Monthly inspection records	
Maintenance records	
Repair and modification records	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	

Tireman	Pass/Fail
All daily inspections	
All monthly inspections	
All quarterly inspections	
Control valve calibration for correct pressures & relief valve settings	
Safety valve calibration for correct pressures & relief valve settings	
Valves for failure to maintain correct settings	
Rotation drive system for proper backlash clearance & abnormal wear, deformation & cracks	
Gear oil change in rotation drive system per maintenance schedule	
Check tightness of all fasteners and bolts	
Monthly inspection records	
Maintenance records	
Repair and modification records	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	



Annual Tire Truck Inspection Part 2 of 2

Month: _____ Year: _____

Pass

Fail

Body	Pass/Fail
All daily inspections	
All monthly inspections	
All quarterly inspections	
Check tightness of all fasteners and bolts	
Check tightness of chassis frame to body mounting bolts	
Monthly inspection records	
Maintenance records	
Repair and modification records	

Compressor	Pass/Fail
All daily inspections	
All monthly inspections	
All quarterly inspections	
Replace coalescing/separator cartridge	
Hydraulic filters/oil for replacement per maintenance schedule in model manual	
Monthly inspection records	
Maintenance records	
Repair and modification records	

