



Frequent/Periodic/Annual PDI Checklist

Engine, Hybrid, and Electric Booms

Serial Number: Starting with serial number A/B/D 000 000 000 and above

Product Owner: _____

Model: _____

Product User: _____

Hourmeter Reading: _____

Date/Time: _____
Inspection Type (choose one): Pre-delivery Frequent Periodic Annual

Use this table for pre-delivery inspections (PDI) before each rental, lease or sale and as an instruction for all frequent inspections and annual inspections. Refer to the operation and service manuals for inspection instructions (for example, visual inspection and function tests, torque specs, engine oil, chain inspection intervals, and more).

Inspection Type Schedule	
PDI/Frequent/Periodic	B
Annual	B+C

B - Do the pre-delivery inspection before the machine is sent out or during the frequent inspections at 200 days or 200 hour intervals. For more instructions, refer to the operation and service manuals.

P - Pass
N/A - Not Applicable

C - Do the scheduled maintenance Inspections each year. For more instructions, refer to the operation and service manuals.

Put a check mark on the "Pass" column as you meet the requirements of the inspection of each item. Add a comment if the item does not pass inspection.

Items for Inspection	P	N/A
Service Bulletins. Make sure there are no open service bulletins.	B	
Annual Inspection. Make sure you complete it within 13 months.	B	
Labels. In place, correctly attached and you can read them.	B	
Limit Switches. Correctly installed and no obstructions or damage.	B	
ENGINE/HYDRAULIC/BATTERY/ELECTRICAL COMPARTMENTS		
Main Power Disconnect Switch. Cables and switch tight and in working order.	B	
Battery Trays. Trays and covers are latched tightly and no missing components.	B	
Batteries. No damage, tight connections, and sufficient fluid levels where necessary. Clean terminals and cable ends.	B	
Battery Charger. Correctly attached and no damage.	B	
Base Control Console. Operate the switches and make sure they all operate correctly. No damage or missing components.	B	
Emergency Power Unit. Tight fittings and hoses and no damage or leaks. Tight wire connections, no missing components.	B	
Manifolds. Tight fittings and hoses and no damage or leaks. Tight wire connections, no missing components and correctly working valves.	B	
Hydraulic Tank. Filler cap closed tightly and no damage or leaks.	B	
Hydraulic Return Filter. Correctly attached and no damage, missing components or leaks.	B	
Hydraulic Return Filter. Do a check of the filter. Replace the filter if necessary.	C	
High-Pressure Filter. Correctly attached and no damage, missing components or leaks.	B	
High-Pressure Filter. Do a check of the filter. Replace the filter if necessary.	C	
Charge Filter. Correctly attached and no damage, missing components or leaks.	B	
Charge Filter. Do a check of the filter. Replace the filter if necessary.	C	
Hydraulic or Electric Pump and Motor. Tight fittings and hoses and no damage or leaks. Tight wire connections and fasteners.	B	
Hydraulic Oil. Level between min. and max. marks.	B	
Turret Transportation Lock. Unlocked and no damage or missing components.	B	
Turret Rotation Motor/Gear. Tight fittings, hoses and bolts. No damage, missing components or leaks. Make sure the gears are lubricated.	B	
Turret Rotation Motor/Gear. Lubricate the gears.	C	
Fuel Tank and Lines. Filler cap, tank, fittings and hoses are closed tightly and no damage or leaks.	B	
Engine and Components. Do a check of the engine and components for any loose, missing, damaged, or failed items. Do a check of the oil and coolant levels. Make sure you do not exceed the recommended oil and coolant change intervals.	B	
Air Filter. Do a check of the filter. Replace the air filter if necessary.	C	
Fuel Filter. Do a check of the filter. Replace the fuel filter if necessary.	C	
Radiator. Do a check of the coolant condition and replace if necessary.	C	
BASE		
Base Weldment. No cracks or deformation.	B	
Base Electrical Panel. Correctly attached and no damage. Tight wire connections and fasteners.	B	
Oscillating Cylinders. Correctly attached and no missing components. Tight fittings and hoses and no leaks.	B	

Items for Inspection	P	N/A
Oscillating Cylinders. Do a check of the mounting bolts torque seal.	C	
Axles. Correctly attached and no missing components. Tight fittings and hoses and no leaks. Make sure the axles and drive shaft are lubricated.	B	
Axles. Do a check of the brakes. Lubricate the axles and drive shaft.	C	
Electric Drive Motor. Correctly attached and no damage. Tight wire connections and fasteners.	B	
Steer Assembly. Correctly attached and no missing components. Tight fittings and hoses. No leaks, damage or wear.	B	
Torque Hubs. Correctly attached and no damage or missing components. Tight fittings, hoses and bolts. No leaks.	B	
Wheel Motors. Correctly attached. No damage or missing components.	B	
Wheel/Tire Assembly. Do a check of all tires for damage, wear and correctly aligned.	B	
Wheel/Tire Assembly. No loose bolts. Wheel nuts torqued as recommended.	C	
BOOM		
Rotary Actuator(s). No damage or missing components. Tight fittings, hoses and bolts and no leaks.	B	
Jib. No damage or missing components. Tight hoses and bolts and no leaks.	B	
Boom. No damage or missing components. No deformation or cracks in welds. Tight fittings, hoses, bolts, and pins. No leaks.	B	
Cable Track. No damage or missing components.	B	
Wear Pads. No damage, wear or missing components. Fasteners tight.	B	
Riser. No damage or missing components. No deformation or cracks in welds. Tight fittings, hoses, bolts, and pins. No leaks.	B	
Cylinders. No damage or missing components. Tight fittings and hoses and no leaks. Pins and bushing are tight and correctly installed.	B	
Control Cables and Hoses. No damage or missing components. No leaks.	B	
Wire Ropes. No damage or missing components. Tight jam nuts. No spring gaps. Do not exceed the inspection interval.	B	
PLATFORM		
Railings and Gate. Correctly attached and no damage or missing components.	B	
Platform Floor. Correctly attached and no damage or missing components.	B	
Footswitch. Correctly attached. Operates correctly with no modifications.	B	
Fall-Protection Anchorage. Anchorages are correctly attached and no damage.	B	
AC Power Socket. No obstructions, dirt, or damage.	B	
Platform Control Console. Operate the switches and make sure they all operate correctly. No damage or missing components.	B	
Manual Storage Box. Manuals and documents are in storage box, in good condition, and you can read them.	B	
OPTIONAL EQUIPMENT		
Special Options and Approved Attachments. Correctly attached and no damage or missing components.	B	
FUNCTION TESTS		
Function Tests. Refer to the operating manual for your serial number for information on how to do these tests.	B	PASS FAIL
Drive Speed Tests. Refer to the service manual for your serial number for information on how to do these tests.	C	PASS FAIL

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Comments: _____

The undersigned has made sure that all areas in the list have received an inspection.
The undersigned has told the machine owner of all inconsistencies in the inspection and corrected them before machine operation.

Owner: _____ Print Name _____ Signature _____ Date (DD/MM/YY) _____

User: _____ Print Name _____ Signature _____ Date (DD/MM/YY) _____