

Unit Number	PM Type: (A, B, C, or R - Ready)	Serial Number	Work Order Number	Branch Number
Hour Meter or Odometer	Make	Model	Customer Name / Number	Date
Maintaining The Best Equipment For Our Customers				
Instructions: Perform all items for the appropriate PM inspection as indicated by non-shaded areas in columns A or B. Important: A Inspections = Quarterly Inspections. B Inspections = Annual Inspections. Rental Ready Inspection items are indicated by non-shaded areas in column R. Mark the appropriate Worksheet Code after each inspection item in the applicable column.				
Worksheet Codes:	✓ = OK, Adjusted, or Serviced	X = Not Applicable	F = Follow Up Needed	

		Intervals:	R	A	B
Visual Inspection					
1.	Inspect jobsite / work area for potential overhead and other hazards				
2.	Inspect overall appearance, condition, and check for damage				
3.	Inspect fluid levels and inspect for external leaks				
4.	Inspect for missing components and unauthorized modifications				
Engine					
5.	Inspect engine mounts				
6.	Check engine oil change interval by type on Maintenance Information Center. Change engine oil and filter if required. Check off Step 1401 in F8 Work Order screen				
7.	Change fuel filters / service fuel-water separator				
8.	Inspect air filter restriction gauge				
9.	Inspect air induction system				
10.	Clean air filter dust valve				
11.	Inspect belt condition, alignment, and tension				
12.	Inspect idler pulleys				
13.	Inspect cooling fan, shroud, and water pump condition				
14.	Check spark plugs and wires				
15.	Inspect and clean radiator and oil cooler fins if needed				
16.	Pressure test radiator and cap				
17.	Test coolant protection level				
18.	Inspect exhaust system				
19.	Ensure engine idle, throttle, and RPM are set properly				
20.	Inspect hoses				
21.	Inspect fuel system				
22.	Check charging system output				
23.	Clean crankcase vent tube and PCV valve				
Transmission / Drive Train					
24.	Check fluid level in torque hubs				

		Intervals:	R	A	B
Transmission / Drive Train (continued)					
25.	Change fluid in torque hubs				
26.	Test freewheeling functionality				
Electrical Systems					
27.	Ensure emergency stop switches, safety lock outs, and mechanisms at the ground and platform control stations stop platform movement and all functions				
28.	Inspect battery charger for proper operation				
29.	Inspect battery hold downs				
30.	Perform battery load test				
31.	Inspect all visible electrical cords, cables, wires, and connections				
Platform Assembly					
32.	Inspect that platform is installed and secure				
33.	Inspect lanyard anchorage points, platform guardrails, floor, gate, and latches				
34.	Inspect platform rotator				
35.	Inspect platform leveling system				
Boom Assembly					
36.	Inspect boom sections				
37.	Check boom chain or cable tension				
38.	Lubricate boom chains				
39.	Inspect powertrack and cables				
40.	Inspect cylinder pins, pivot pins, and attaching and retention hardware				
41.	Inspect boom chains and cables. Disassemble for inspection at intervals required by manufacturer				
42.	Inspect sheaves and sheave pins				
Turntable					
43.	Inspect hood doors and latch				
44.	Inspect turntable bearing, swing drive, gear, and lock				
45.	Check swing bearing bolt tolerance or tightness per appropriate service manual				
Hydraulics					
46.	Inspect all areas around hydraulic components				

Intervals:		R	A	B
Hydraulics (continued)				
47.	Change hydraulic filters			
48.	Check condition of the hydraulic oil for the presence of wear metals, water, burnt smell, discoloration, dirt, etc. Change if necessary.			
49.	Submit hydraulic oil sample upon two years of service and annually after that			
50.	Check that all hydraulic pressures and settings are properly adjusted			
51.	Inspect all hoses, pipe clamps, and retaining hardware			
52.	Inspect tank, sight glass, and cap system			
Tires and Wheels				
53.	Inspect wheel, rim condition, and proper tightness of lug nuts			
54.	Inspect tire condition and inflation			
55.	Inspect and repack wheel bearings			
Chassis				
56.	Check steer, drive, and axle components			
Functions and Controls				
57.	Inspect instruments, switches, accessories, gauges, horn, and lights			
58.	Inspect controls			
59.	Check footswitch			
60.	Check all function cut-outs, speed cut-outs, and limit switches			
61.	Check that function enable system operates properly per manufacturer specifications			
62.	Check manual descent system and/or auxiliary power system			
63.	Ensure capacity indicator system operates properly			
64.	Test braking system (stationary and travel)			
65.	Inspect alarms and safety devices			
66.	Check that swing brakes operate properly			

Intervals:		R	A	B
Functions and Controls (continued)				
67.	Check articulating boom synchronization and sequence system			
68.	Inspect functionality of tilt / level sensor			
69.	Drive and operate machine to test all machine functions including speed functions			
Structural				
70.	Inspect outrigger / extendible axles			
71.	Verify oscillating axle and components operate properly			
72.	Inspect wear pads			
73.	Inspect all visible nuts, bolts, shafts, shields, bearings, pins, attaching hardware, and locking devices			
74.	Inspect structural condition and all welds			
General				
75.	Check for open safety and service campaigns and bulletins			
76.	Check for Preventive Maintenance (PM) steps up to date			
77.	Inspect condition and placement of all required decals			
78.	Verify ANSI/SIA Manual of Responsibilities, Operators and Safety Manual, and AEM Handbook are in manual box			
79.	Grease and lubricate all pivot pins, pivot points, hinges, and linkages			
80.	Perform all other inspections and services required by manufacturer or regulatory agencies			
81.	Record inspection date on frame mounted decal			
82.	Affix PM Due decal to equipment			
Trailer / Towable				
83.	Inspect coupler, tongue, jack, safety chains, and locking hooks			
84.	Inspect lights and reflectors			
85.	Check registration and license plate			

Follow Up Worksheet

Note: To record follow up repairs resulting from this inspection, use Form UR3399 – PM Follow Up Worksheet.

Verification of Preventive Maintenance: This Preventive Maintenance Inspection and follow up repairs were completed in accordance with applicable manufacturer procedures, guidelines, and specifications.		
Verified By – Name (print)	Verified By – Signature	Date