

# Motor Grader Inspection

Unit #: \_\_\_\_\_

Serial #: \_\_\_\_\_

Date: \_\_\_\_\_

Equipment Year, Make &amp; Model: \_\_\_\_\_

 Current Hour Meter: 

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 Last PM Service (Date & Hrs.):    /    /    

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 Hours this Month: 

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<u>Engine Compartment</u>	P	A	F	<u>Machine Outside Cont.</u>	P	A	F	<u>Machine Interior</u>	P	A	F
<i>engine oil</i>				<i>precleaner</i>				<i>machine startup</i>			
<i>air filters</i>				<i>precleaner</i>				<i>parking brake</i>			
<i>oil filter</i>				<i>air reservoir &amp; lines</i>				<i>brake pedal</i>			
<i>intercooler</i>				<i>batteries &amp; cables</i>				<i>gear range switch</i>			
<i>hydraulic cooler</i>				<i>transmission oil</i>				<i>clutch pedal</i>			
<i>coolant reservoir</i>				<i>6x6 motor/connection</i>				<i>backup alarm</i>			
<i>muffler</i>				<i>tire pressure &amp; condition</i>				<i>seat belt &amp; mounts</i>			
<i>belts &amp; hoses</i>				<i>lift cylinder's (blade)</i>				<i>accelerator</i>			
<i>fan blades &amp; hub</i>				hose guards				<i>instrument cluster/codes</i>			
<i>pulleys &amp; accessories</i>				wiper fluid				<i>steering control prim.</i>			
<i>turbocharger</i>				mirrors				<i>steering control sec.</i>			
<i>radiator</i>				windshield wipers				interior cleanliness			
<i>fuel filters</i>				windows/windshield				emergency hammer			
<i>engine coolant</i>				blade cutting edge				HVAC controls			
<i>air compressor &amp; hoses</i>				moldboard wear bushings				seat condition			
<i>air governor &amp; lines</i>				fenders/enclosures				GPS cable & operation			
<i>wiring &amp; harnesses</i>				steps & handholds				fire shelter			
overall engine				hydraulic tank				first aid kit			
exhaust ducting				radiator guard				fire extinguisher			
				exhaust stack				VHF radio			
				AC outer Filter(s)				VHF radio mount			
<b><u>Machine Outside</u></b>				doors				6x6 control			
<i>hydr. cylinders &amp; hoses</i>				VHF radio antenna				light switch			
<i>DEF tank (if equipped)</i>				rippers				horn switch			
<i>fuel tank</i>				lift cylinder (ripper)				<b><u>*Addl. Annual Insp. Items*</u></b>			
<i>ROPS</i>				lights & signals (highway)				<i>brake condition</i>			
<i>tandem housings</i>								<i>front wheel bearings</i>			
<i>differentials</i>								<i>test ports</i>			
<i>blade linkage &amp; circle</i>											

\* the items listed under additional annual inspection items and all other items listed are to be inspected by mechanic at least annually\*

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Post Fire Check:       Weekly Insp.       Monthly Insp.       Out Of Service:

Ready For Assignment (yes/no):      *Post use & monthly inspections to be submitted with mileage/hr. log*

Inspector Name (Print): \_\_\_\_\_      Supervisor Position: \_\_\_\_\_

Inspector Signature: \_\_\_\_\_      Supervisor Approval: \_\_\_\_\_

## Inspection Instructions

**NOTE:** Inspection items that are not applicable to machine should be marked (NA) in the pass column. Do not leave any inspection items blank. (NA) items should not be included when adding up checkpoints for determining machine readiness.

- 1. Unit #:** Four digit agency assigned identifier. (9481, 9380, 9283, etc.)
- 2. Serial #:** Manufacturer assigned alpha numeric identification code. (PER000650, MLW000359, etc.)
- 3. Date:** Day inspection is performed. (post use & monthly inspections should submitted with mileage/hr. log)
- 4. Equipment Year, Make & Model:** Year model of machine followed by machine manufacturer & specific model. Example- 2010 CAT 120M, 2015 John Deere 670GP
- 5. Current Hour Meter:** Machine hour meter reading at time of inspection.
- 6. Last PM Service:** Fill in with hour meter reading and date for last scheduled preventative maintenance (old form 8)
- 7. Hours This Month:** Number of hours put on this machine this month.
- 8. Comments:** If any checkpoint does not fall into (P) pass category give brief description of problems identified by inspector. Example: "Batteries & cables box is checked "A" due to slight corrosion of battery terminals"
- 9. Post Fire Check:** Check if inspection is performed due to machine operating on assignment.
- 10. Weekly/Monthly Check:** Check whether weekly or monthly inspection. (monthly and post use at minimum)
- 11. Ready For Assignment:** Check if machine has passed inspection and condition has met agency expectations for firefighting equipment (full of fuel, fully operable, communications equipment operable & machine stocked)
- 12 Out Of Service:** Check if machine fails inspection and condition does not meet agency expectations for firefighting equipment. (If checked, machine will not be allowed on active fireline until failed points are corrected.)
- 13. Inspector Name:** Agency recognized name of person performing inspection; first and last name printed. (no nicknames)
- 14. Inspector Signature:** Signature of person performing inspection; verifying that the inspection was performed properly, honestly and information entered into the inspection form is correct and not altered to meet "Ready For Assignment" status.
- 15. Supervisor Position:** Position of person supervising inspector. In most situations it should be the workplace supervisor for the employee (RFC, TFC, ACRFC). In cases on incident where workplace supervisor is not available seek supervisor approval from the incident overhead. (TFLD, STLD, DIVS, IC, etc.)
- 16. Supervisor Signature:** Signature of person supervising inspector and equipment. Signature states inspection was conducted properly, honestly and machine is in compliance with agency expectations for firefighting equipment.

### Out Of Service Instructions

- 1. Machine shall be determined "Out Of Service" if any checkpoint listed in red (Italicized), falls into the "FAIL" category.**
- Machine shall be determined "Out Of Service" if 5 or more checkpoints listed in black, fall into the "FAIL" Category.
- Machine Shall be Determined "Out Of Service" if 9 or more checkpoints in red or black, fall into the 'Attention' Category.

Instructions for "Out of Service" are general guidelines to aid inspectors/operators in quickly determining an "Out of Service" situation. These situations can be controversial and circumstantial due to complexity level of incident, incident objectives and operator skill and experience. An "Out of Service" inspection can be overridden with supervisor approval if the incident situation warrants such actions. If operator safety may be jeopardized due to putting machine back in service; the override should be discarded and repairs should be performed before allowing the machine back on fireline activities.