

# Safety & Maintenance Inspection



Operator/Inspector \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Serial Number \_\_\_\_\_ Machine Hours \_\_\_\_\_

- A thorough, regular visual inspection of the machine is necessary to maintain machine performance, availability, and safety. Make the inspection at the beginning of every shift or make the inspection after every 10 hours.
- Inspect the area around the machine and under the machine. Look for loose bolts, trash buildup, oil leaks, coolant leaks, broken parts, or worn parts. Remove accumulated trash, dirt, grease, or oil from the machine.
- For more information, please refer to the Operation & Maintenance Manual (O&MM) or any other applicable manuals and instructions for this product. If you have questions, please contact your local Cat dealer.

| What are you inspecting? | ✓ | What are you looking for? | ✓ | Evaluator Comments |
|--------------------------|---|---------------------------|---|--------------------|
|--------------------------|---|---------------------------|---|--------------------|

**FROM THE GROUND**

|                                                              |  |                                                             |  |  |
|--------------------------------------------------------------|--|-------------------------------------------------------------|--|--|
| Overall machine                                              |  | Loose or missing nuts or bolts, loose guards, cleanliness   |  |  |
| Lights                                                       |  | Broken lamps, lenses, operation                             |  |  |
| Brakes, suspension                                           |  | Leaks, damage, wear                                         |  |  |
| Tires, rims, lock ring, hub, stem caps                       |  | Inflation, leaks, rim slippage on tire, damage, wear        |  |  |
| Underneath front machine – steering rods & cylinders         |  | Leaks, damage                                               |  |  |
| Suspension system mounts, cylinders                          |  | Loose bolts, leaks, cylinder height, lube cylinder bearings |  |  |
| Exhaust & mounting bolts                                     |  | Loose bolts, holes in exhaust                               |  |  |
| Body                                                         |  | Damage, wear, distortion                                    |  |  |
| Fuel tank, hydraulic tank                                    |  | Leaks, levels                                               |  |  |
| Underneath middle machine – Steering hydraulic system        |  | Fluid level, leaks, worn hoses, damaged lines               |  |  |
| Stop pads, drive shaft U-joints                              |  | Broken, lubrication                                         |  |  |
| Hitch pin lugs, steering cylinder lugs                       |  | Clearance, lubrication                                      |  |  |
| Articulation frame, spherical bearing                        |  | Lubrication, cracks                                         |  |  |
| A-frame, axle mountings                                      |  | Clear pivot range, loose, damage                            |  |  |
| Stabilizer rod and mountings                                 |  | Bent or broken, loose                                       |  |  |
| Steering frame, hoist lock                                   |  | Damage, broken, correct position                            |  |  |
| Hoist & brake system oil                                     |  | Fluid level, leaks                                          |  |  |
| Frame & hoist cylinders, rod eyes                            |  | Cracks, leaks, damage, wear                                 |  |  |
| Hoist cylinder bearings, wiper seals                         |  | Worn, lubricate                                             |  |  |
| Underneath rear machine – All axles, inside rear dual wheels |  | Leaks, damage, wear, suspension wear, loose bolts           |  |  |
| Welds, castings, mounting bolts                              |  | Cracks, damaged bolts or pads                               |  |  |
| Backup alarm, lights, towing pin                             |  | Functional, broken, dirt buildup                            |  |  |
| Pivot pins on bed                                            |  | Functional, clean, lubricated, worn with play               |  |  |
| Body frame                                                   |  | No cracks in welds or weld seams                            |  |  |
| Dump body, tailgate, rear frame                              |  | Bed welds, cracks, distortion bending within bed & pads     |  |  |
| Ejector truck bed, tailgate linkage                          |  | Bends, cracks, breaks, deformity, wear                      |  |  |
| Ejector guide, ejector blade, rollers, cylinders             |  | Wear, non-uniformity                                        |  |  |
| Battery compartment                                          |  | Connections, fluid level                                    |  |  |
| Diesel exhaust fluid (DEF) tank (if equipped)                |  | Fluid level, check for debris buildup                       |  |  |

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|----------------------------|-----------------------------|--------------------|
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**ENGINE / STEERING COMPARTMENT**

|                                          |                                                                                 |  |
|------------------------------------------|---------------------------------------------------------------------------------|--|
| Steering hydraulic tank, lines, hoses    | No leaks in tank, lines or hoses                                                |  |
| Filter, cap, breather, sight gauge       | Clean filter, breather clean and not blocked, sight gauge on right side of tank |  |
| Engine and transmission oil              | Fluid level                                                                     |  |
| Hoses                                    | Cracks, wear spots, leaks                                                       |  |
| All belts                                | Tightness, wear, cracks                                                         |  |
| Windshield washer reservoir              | Fluid level                                                                     |  |
| Air filters, fuel filters, hoses & lines | Cleanliness, blockages, leaks                                                   |  |
| Water separator, mounting brackets       | No water visible in water separator, tight & secure                             |  |
| Torque convertor, transmission oil       | Check fluid levels, dipsticks                                                   |  |
| Engine oil filter                        | Check for leaks                                                                 |  |
| Lines, hoses, fan, welds                 | Leaks, worn spots on hoses, trash buildup                                       |  |

**ON THE MACHINE, OUTSIDE CAB**

|                                 |                                                                                    |  |
|---------------------------------|------------------------------------------------------------------------------------|--|
| Hand rails, grab bars           | No damage, bends, breaks, mounting bolts secure                                    |  |
| Walkways, treadways             | Clear of mud, debris & tripping hazards                                            |  |
| Windshield, wipers and blades   | Wear, damage, functional                                                           |  |
| Mirrors                         | Clean, damage, adjustment                                                          |  |
| Fire extinguisher (if equipped) | Charged and expiration date indicates extinguisher has been inspected and approved |  |

**INSIDE THE CAB**

|                              |                                 |  |
|------------------------------|---------------------------------|--|
| Overall cab interior         | Cleanliness                     |  |
| Gauges, lights, switches     | Damage, proper function         |  |
| Seat                         | Correct adjustment, pedal reach |  |
| Seat belt, buckle & mounting | Damage, wear, adjustment, age   |  |
| Horn, backup alarm, lights   | Proper function                 |  |
| Cab air filter               | Dirt                            |  |
| ROPS                         | Damage, cracks                  |  |

**NOTES:**

Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

