**Start-Up and Shut Down Procedures: Wheel Loader**

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

Serial Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Machine Hours \_\_\_\_\_\_\_\_\_\_ Experience (years) \_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Was procedure step completed properly?** | 🗹 | Evaluator Comments |
|  |  |  |
| ***Starting the Machine*** |  |  |
| Perform walk around inspection |  |  |
| Mount the machine using 3 points of contact |  |  |
| Turn the battery disconnect switch to ON (if equipped) |  |  |
| Engage the parking brake |  |  |
| Adjust seat, fasten seat belt |  |  |
| Move direction control lever into neutral |  |  |
| Ensure all personnel are clear of machine |  |  |
| Sound horn |  |  |
| Use either start aid switch of necessary  |  |  |
| Turn key start switch to ON |  |  |
| Perform start up test of observe monitory system self-test |  |  |
| Turn key start switch to START. Crank engine |  |  |
| **M *Machine Warm-Up*** |  |  |
| Allow machine to warm up (per OMM) |  |  |
| Engage and disengage attachment controls to help speed warm-up of hydraulic components |  |  |
| Cycle all controls to allow warm oil to circulate through all hydraulic cylinders and lines |  |  |
| Perform steering, service brake, and parking brake operation checks |  |  |
| Check secondary steering operation (if equipped) |  |  |
| Check gauges, indicators, and action light frequently |  |  |
| ***Moving the Machine*** |  |  |
| Ensure area is clear |  |  |
| Raise all lowered implements |  |  |
| Depress service brake pedal |  |  |
| Release the parking brake |  |  |
| Move transmission control lever to desired direction |  |  |
| Release service brake pedal and depress accelerator pedal |  |  |
| ***Machine Shut Down*** |  |  |
| Park machine on smooth, level area |  |  |
| Set parking brake |  |  |
| Lower all hydraulic implements |  |  |
| Run engine to low idle for 5 minutes to allow engine to cool |  |  |
| Turn key start switch to OFF and remove key |  |  |
| Dismount using 3-point contact |  |  |
| Drain water from air tank (if equipped) |  |  |
| Conduct post-operation walk-around inspection |  |  |

Worker Competent Yes or No (circle one) Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\*Supervisor/Trainer has demonstrated how task should be done and discussed all known safety hazards that may affect the worker and provided the worker with all the information that is necessary to do the job safely and correctly.