## Start-up & Shut Down Procedures: Off-Highway Trucks

### Operator/Inspector __________________________    Date __________    Time __________

<table>
<thead>
<tr>
<th>Serial Number __________________________</th>
<th>Machine Hours ______________________</th>
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**Was procedure step completed properly?**  
**Evaluator Comments**

For more information, please refer to the Operation and Maintenance Manual or any other applicable manuals and instructions for this product. If you have questions, please contact your local Caterpillar dealer.

### STARTING THE MACHINE

- Perform walk around inspection
- Mount the machine using 3 points of contact
- Turn the battery disconnect switch to ON
- Inspect, adjust and fasten seat belt
- Inspect, adjust mirrors
- Move transmission control lever into neutral
- Engage the parking brake
- Make sure body is grounded
- Move the hoist lever into FLOAT
- Starting aid switch to AUTOMATIC
- Make sure all personnel are clear of machine
- Test supplemental steering
- Check backup alarm
- Turn the key start switch to START, crank engine and release when engine starts
- Perform start-up test on EMS or VIMS

### MACHINE WARM UP

- Allow machine to warm-up for 5 minutes at low idle
- Perform secondary brake test
- Check gauges and action lights frequently
- Check hydraulic oil tank and transmission oil levels

### MOVING THE MACHINES

- Make sure area is clear
- Manual retarder UP, ARC ON, Secondary brake UP
- Depress service brake pedal
- Release parking brake
- Move transmission control to desired direction and gear
- Release service brake pedal and press accelerator

### MACHINE SHUT DOWN

- Park machine on smooth, level area
- Transmission selector lever to neutral
- Set the parking brake
- Move throttle control to LOW IDLE and run 5 minutes
- Turn key start switch to OFF and remove key
- Turn battery disconnect switch to OFF, remove key
- Dismount machine using 3-point contact
- Block wheels if parking for extended period
- Drain water from brake air reservoir, air start tank
- Conduct post-operation walk around inspection

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