



Start-up and Shut Down Procedures: Wheel-Tractor Scraper

SAFETY.CAT.COMTM

Operator/Inspector _____ Date _____ Time _____
 Serial Number _____ Machine Hours _____

Was procedure step completed properly?	<input checked="" type="checkbox"/> 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.	

BEFORE STARTING THE MACHINE

Perform walk around inspection		
Mount the machine using 3 points of contact		
Engage the parking brake.		
Make sure the oscillating and steering lock is removed.		
Adjust seat, steering column, and mirrors.		
Inspect and fasten seat belt.		
Make sure the bowl is lowered.		
Move all hydraulic controls to the HOLD position.		
Move the transmission direction and speed control to the NEUTRAL position.		
Perform the first part of the EMS Functional Test.		
Make sure all personnel are clear of the machine.		

STARTING THE TRACTOR ENGINE

Partially depress the tractor governor control pedal and hold it.		
Turn the tractor engine start switch key until the engine starts and release the key.		
Perform the second part of the EMS Functional Test. (if equipped)		
Release the governor control pedal.		

STARTING THE SCRAPER ENGINE (IF EQUIPPED)

Dismount the machine using 3-point contact.		
Perform the first part of the EMS Functional Test.		
Move the scraper governor control lever to FUEL-ON.		
Turn the scraper engine start switch key until the engine starts and release the key.		
Perform the second part of the EMS Functional Test.		
Return to the scraper cab.		
Fasten seat belt.		

MACHINE WARM-UP

Operate the engine at LOW IDLE for 5 minutes to warm-up the machine.		
Engage and disengage attachment controls to help warm-up the hydraulic components.		
Cycle all controls to allow warm oil to circulate through all hydraulic cylinders and lines.		
Check gauges and action lights frequently.		
Check brakes before moving		

MOVING THE MACHINE

Make sure all personnel are clear of the machine.		
Check for adequate clearance around the machine.		
Raise the bowl.		
Depress and hold the service brake pedal.		
Release the parking and secondary brakes.		
Disengage the transmission neutral lock control.		
Move the transmission control to the desired direction and appropriate gear speed.		
Release the service brake pedal.		
Depress the governor control pedal(s) until you achieve the desired engine speed.		
Check gauges and action lights frequently.		

MACHINE SHUT DOWN

Park the machine on a smooth, level area.		
Move the transmission control lever to the NEUTRAL position.		
Engage the transmission neutral lock control.		
Set the parking brake.		
Lower the bowl.		

[HTTP://SAFETY.CAT.COM/CHECKLISTS](http://SAFETY.CAT.COM/CHECKLISTS)

V0611.2

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TRACTOR ENGINE SHUTDOWN and SCRAPER ENGINE SHUTDOWN

Run the tractor engine at LOW IDLE for 5 minutes.		
Turn the tractor engine start switch to OFF and remove the key.		
Dismount the machine using 3-point contact.		
WALK-AROUND INSPECTION		
Conduct post-operation walkaround inspection.		