

# CAT<sup>®</sup> SIMULATORS



## Track Type Tractor and Advanced Dozer Walkaround Inspection Points

<b>Machine Part Identified</b>	<b>Description</b>
<b>Cab Interior</b>	
Floor	Is the cab floor clean and free of debris?
Seat Belt	Is the seatbelt free of wear with the manufacture date less than 5 years old and the installation date less than 3 years old?
Controls	Are the controls clean and free of grease?
<b>Cab Exterior</b>	
Lights	Are the lights in good condition, intact and not broken?
ROPS (Roll Over Protective Structure)	Does the ROPS appear to be in good working condition? Nothing welded to it and all mounting bolts are secure.
Hand Rails	Are all the hand rails in place?
Pre-cleaner	Is the pre-cleaner free of debris?
<b>Undercarriage Track System - Left Side</b>	
Final Drive Sprocket Segments	Are all the bolts on the sprocket segments tight and free of wear?
Final Drive	Are all bolts and the oil check point plug secure and free of wear?
Final Drive Duo Cone Seal	Is the duo cone seal free of debris and leaks?
Carrier Roller	Are the carrier rollers free of chipping, scalloping, flat spots and oil leaks?
Track Rollers	Are the track rollers free of chipping, scalloping, flat spots and oil leaks?
Grousers	Are the track grousers free of wear and damage?
Track Pins	Are the pins between the tracks free of damage?
Master Link	Is the master link in good condition with no gap or damage?
Front Track Idler	Is the front idler free of wear, scalloping, leaks and heat discoloration?
Rear Track Idler	Is the rear idler free of wear, scalloping, leaks and heat discoloration?

Roller Guides	Are the roller guides free of wear and loose bolts?
Minor Pivot Points	Are the minor pivot point caps free of loose bolts or any wearing?
Roller Caps	Are the roller caps free of any loose or wearing parts?
Idler Caps	Are the idler caps free of any loose or wearing parts?
<b>Push Arm - Left Side</b>	
Push Arm	Is the overall condition of the push arm in good shape with no cracks or fatigue?
Hose Guard	Is the tilt cylinder hose guard free of wear?
Steps	Are steps in place and in good condition?
Track Frame Connection	Does the connection to the track frame appear to be tight and free of wear?
Blade Connection	Does the connection for the push arm to the blade appear to be accurate? Are the pins and keepers tight?
Blade Tilt Cylinder	Does the connection for the push arm to the blade appear to be accurate? Are the pins tight?
Blade Tilt Piston	Does the connection for the push arm to the blade appear to be accurate? Are the pins tight?
Blade Tilt Hoses	Are all the hoses connected, free of leaks and debris?
<b>Undercarriage Track System - Right Side</b>	
Final Drive Sprocket Segments	Are all the bolts on the sprocket segments tight and free of wear?
Final Drive	Are all bolts and the oil check point plug secure and free of wear?
Final Drive Duo Cone Seal	Is the duo cone seal free of debris and leaks?
Carrier Roller	Are the carrier rollers free of chipping, scalloping, flat spots and oil leaks?
Track Rollers	Are the track rollers free of chipping, scalloping, flat spots and oil leaks?
Track Sag	With a straight edge from points A to B measure the greatest distance to the track. Repeat between points B to C. Average the 2 distances. Correct average is $65 \pm 10$ mm ( $2.6 \pm 0.4$ inch). Red in this diagram shows track sag greater than 75mm (3 inch). Is the track sag within the correct range?

Front Track Idler	Is the front idler free of wear, scalloping, leaks and heat discoloration?
Rear Track Idler	Is the rear idler free of wear, scalloping, leaks and heat discoloration?
Roller Guides	Are the roller guides free of wear and loose bolts?
Minor Pivot Points	Are the minor pivot point caps free of loose bolts or any wearing?
Roller Caps	Are there any loose or wearing parts on the roller caps?
Idler Caps	Are there any loose or wearing parts on the idler caps?
<b>Push Arm - Right Side</b>	
Push Arm	Is the overall condition of the push arm in good shape with no cracks or fatigue?
Hose Guard	Is the tilt cylinder hose guard free of wear?
Steps	Are steps in place and in good condition?
Track Frame Connection	Does the connection to the track frame appear to be tight and free of wear?
Blade Connection	Does the connection for the push arm to the blade appear to be accurate? Are the pins and keepers tight?
Blade Tilt Cylinder	Does the connection for the push arm to the blade appear to be accurate? Are the pins tight?
Blade Tilt Piston	Does the connection for the push arm to the blade appear to be accurate? Are the pins tight?
Blade Tilt Hoses	Are all the hoses connected, free of leaks and debris?
<b>Blade</b>	
Blade	Is the overall state of the blade in good condition? Is it free of dings, cracks, heat wear, and any other fatigue?
GET (Ground Engaging Tool)	Is the GET in good working order?
Right Lift Piston	Are the lift pistons free of dirt build up and damage?
Left Lift Piston	Are the lift pistons free of dirt build up and damage?
Right Lift Cylinder	Is the lift cylinder free of oil leaks, debris and damage?
Left Lift Cylinder	Is the lift cylinder free of oil leaks, debris and damage?
Lights	Are the lights in good condition, intact and not broken?

Tag Link	Is the tag link in good working condition? Is it free of debris and wear?
Hoses	Do the hoses look to be in good condition?
<b>Fender - Left Side</b>	
Battery Disconnect	Is the battery disconnect switch in the on position? Switch pointing to   = On and O = Off.
Windshield Wiper Fluid	Does the windshield wiper fluid level appear to be within the optimal operating range?
Pivot Shaft Oil	Does the pivot shaft oil level appear to be within the optimal operating range?
<b>Battery Compartment</b>	
In Cab Air Filter	Is the recirculation cab air filter free of dirt and debris?
Batteries	Are the battery cables tight and free of corrosion?
<b>Fender - Right Side</b>	
Fire Extinguisher	Is the fire extinguisher secure and fully charged?
Hydraulic Fluid	Does the hydraulic fluid level appear to be within the optimal operating range?
Transmission Oil	Does the transmission oil level appear to be within the optimal operating range?
<b>Engine Compartment - Left Side</b>	
Engine Oil	Does the engine oil level appear to be within the optimal operating range?
Oil Fill Cap	Is the oil fill cap in place and secure?
Fuel Water Separator	Is the Fuel Water Separator bowl clean and free of water?
Radiator Coolant	Does the engine coolant level appear to be within the optimal operating range?
Hoses	Do the hoses look to be in good condition?
<b>Engine Compartment - Right Side</b>	
Belt	Does the belt look to be in good condition?
Hoses	Do the hoses look to be in good condition?
<b>Ripper</b>	
Hoses	Are all the hoses connected, free of leaks and debris?
Hydraulic Pistons	Is there any fatigue, scratches, cracks or dirt on the chrome hydraulic pistons?

Pins and Keepers	Are the pins and keepers free of loose bolts?
Hydraulic Valve Assembly	Is the hydraulic valve assembly free of leaks and debris?
Shanks	Are the ripper shanks and guards in good condition? Are they free of wear and cracks?
Lights	Are the lights in good condition, intact and not broken?
<b>Rear Fender</b>	
Lights	Are the lights in good condition, intact and not broken?
Backup Alarm	Is the backup alarm secure and functional?



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