## Safety & Maintenance Inspection: Off-Highway Trucks (777-797)

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<th>Operator / Inspector ____________________________</th>
<th>Date _______________</th>
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<th>What are you inspecting?</th>
<th>What are you looking for?</th>
<th>Evaluator Comments</th>
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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.

### FROM THE GROUND

- **Tires, Wheels, Stem Caps**
  - Inflation, Leaks, Damage, Wear

- **Duo-cone seal area**
  - Damage, Leaks

- **Underneath Machine**
  - Leaks, Damage

- **Differentials, Brakes, Transmission**
  - Leaks

- **Front Suspension Cylinders**
  - Leaks, Proper Cylinder Height

- **Engine Area**
  - Leaks, Damage, Belt / Hose Condition

- **Engine Oil (785/789/793/797)**
  - Fluid Level (Record Oil Additions if Equipped with Oil Renewal System)

- **Fuel Filters / Water Separator**
  - Leaks / Drain Water (if equipped)

- **Fuel Tank**
  - Mounting Brackets, Welds, Leaks, Drain Water and sediment

- **Hoist Cylinders**
  - Wear, Damage, Leaks

- **Dump Body and Truck Frame**
  - Damage, Wear, Distortion, Presence of Frame and Body Support Pads

- **Rear Tire Rock Ejectors**
  - Free Movement

- **Primary Air Tank (777/793/797)**
  - Drain Moisture

- **Steps & Handholds**
  - Condition & Cleanliness

- **Torque Converter Case (793/797)**
  - Transmission and Torque Converter Fluid Level, Damage, Leaks

- **Hoist, Converter, and Brake Oil Tank (777/785/789)**
  - Fluid Level, Damage, Leaks

- **Steering Oil Tank (789)**
  - Fluid Level, Damage, Leaks

- **Transmission Oil Tank (777/785/789)**
  - Fluid Level, Damage, Leaks

- **Steps, Handholds**
  - Condition and Cleanliness

- **Lights, Front and Rear**
  - Function, Damage to Lens, Housing, or Wiring

- **Radiator**
  - Debris between Radiator and Grill, Fin Blockage, Leaks

- **Hoist, Converter, and Brake Oil Tank (777/785/789)**
  - Fluid Level, Damage, Leaks

- **Engine Oil (777)**
  - Fluid Level (Record Oil Additions if Equipped with Oil Renewal System)

- **Engine Coolant**
  - Fluid Level (jacket water, aftercooler)

- **Radiator**
  - Fin Blockage, Leaks

- **All Hoses**
  - Cracks, Wear Spots, Leaks

- **All Belts**
  - Tension, Wear, Cracks

- **Overall Engine Compartment**
  - Trash or Dirt Buildup, Leaks

### ENGINE COMPARTMENT (TOP PLATFORM)

- **Engine Oil (777)**
  - Fluid Level (Record Oil Additions if Equipped with Oil Renewal System)

- **Engine Coolant**
  - Fluid Level (jacket water, aftercooler)

- **Radiator**
  - Fin Blockage, Leaks

- **All Hoses**
  - Cracks, Wear Spots, Leaks

- **All Belts**
  - Tension, Wear, Cracks

- **Overall Engine Compartment**
  - Trash or Dirt Buildup, Leaks

### ON THE MACHINE, OUTSIDE THE CAB (TOP PLATFORM)

- **Handholds**
  - Condition and Cleanliness

- **Mirrors**
  - Damage, Adjust for Best Visibility

- **ROPS**
  - Damage, Loose Mounting Bolts

- **Dump Body above Platform**
  - Damage, Wear, Distortion

- **Pre-Cleaner**
  - Debris

- **Air Filter**
  - Restriction Indicator, Dust Valves Unplugged

- **Steering Oil Tank (777/785/789/793)**
  - Fluid Level, Damage, Leaks

- **Fire Extinguisher**
  - Charge, Damage

- **Windshield, Windows**
  - Broken Glass, Cleanliness

- **Windshield Wipers / Washers**
  - Wear, Damage / Fluid Level

- **Doors**
  - Open properly, broken glass

- **Air Conditioner Filter**
  - Dirt, Dust

- **Primary Air Tank (785/789)**
  - Drain Moisture

- **Secondary Air Tank**
  - Drain

- **Battery Compartment**
  - Cleanliness, Loose Nuts & Bolts

### INSIDE THE CAB

- **Seat**
  - Adjustment, Able to Reach Pedals

- **Seat Belt & Mounting**
  - Damage, Wear, Adjustment, Age

- **Horn, Backup Alarm, Lights**
  - Proper Function

- **Mirrors**
  - Damage, Adjust for Best Visibility

- **Recirculation Cab Air Filter**
  - Dirt, Dust

- **Gauges, Indicators, Switches, Controls**
  - Damage, function

- **Overall Cab Interior**
  - Cleanliness