



JOHN DEERE

8000, 8010 & 8020 Series Tracks Tractor

JOHN DEERE INSPECTION

| CUSTOMER | | | | | TRACTOR INFORMATION | | |
|--------------------------------|-----------|------------------|----------------|----------------------|--|---|---|
| Name: | | | | Work Order: | | Tractor Hours | |
| Address: | | | | | | Serial Number: | |
| City and State: | | | | | | Warranty End Date: | |
| Phone: | | | | Date: | | | |
| Control System | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Fluid test kit - TY26859 | | | | | | | |
| Stored Codes | | | | | * | Record & Clear all Stored Codes | |
| ECU Load Profile (if equipped) | | | | | | Download ECU profile, analyze & review with customer. | |
| Engine | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Oil Level | | | | | Check | | |
| Engine Oil and Filter | | | | | 250 Hours | Replacement | 375 Hours with Plus 50 oil and JD Filter |
| Intake system, Hose and Clamps | | | | | * | | |
| Air filters | | | | | * | Replace Annually | |
| Turbo inspection | | | | | * | Excessive Noise, Leakage | |
| Exhaust system | | | | | * | Leakage, Soot Collection | |
| Head gasket | | | | | * | Oil, Coolant Leakage. Dust Collection, Paint Discoloration | |
| Valve lash adjustment | | | | | 2000 Hours | Consult CTM 86 or CTM 255 | Confirm correct Engine Serial Number for Valve Lash Specification |
| Crankshaft damper | | | | | 4500 Hours | Replacement | |
| High and low idle speeds | | | | | * | Lo 850, Hi 2300 RPM | |
| Oil leaks | | | | | * | | |
| Pulleys and belts | | | | | * | Cracked, Pieces Missing | |

| Cooling System | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
|---|-----------|---------------------|-------------------|----------------------------|--|--|--|
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Thermostats | | | | | Two Years | Replacement | |
| Radiator cap | | | | | Two Years | Replacement | |
| Coolant Level | | | | | * | | |
| Radiator | | | | | * | Pressure Check, (Serv. Adv. 220-15-002) Visible Leakage, Excessive Debris Collection | |
| Hoses and Clamps | | | | | * | Leakage, Looseness | |
| Water pump | | | | | * | Leakage, Paint Discoloration | |
| Weep hole for signs of leakage | | | | | * | | |
| Coolant | | | | | Two Years | Replacement | Initial 3 yrs./3000 hours. Scheduled 2 yrs. With Cool-Gard 5yr/5000 Hrs. |
| Condition/Freeze Point | | | | | * | Test Strip/ Temp Test (Reference Serv. Adv. 220-15-001) | |
| Engine Cooling Operational Check (Conduct in conjunction with Engine Power Check in Fuel System Section) | | | | | * | Serv. Adv. 220-10-001 | |
| Fuel System | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Fuel leaks | | | | | * | Review Lines and Injectors | |
| Fuel Tank Vent Filter | | | | | Clean-750 Hours | | |
| Fuel Tank and Sump | | | | | 250 Hour - Drain | Review for water contamination | |
| Fuel Filters | | | | | 500 Hour | Replacement | |
| Transfer pump | | | | | * | Pressure Test | |
| Engine power check | | | | | * | Complete Engine Dyno Test and Record Results. Warm trans/hyd oil for subsequent test | |
| Conduct Engine Misfire test if problems noted during power check | | | | | * | Engine performance diagnostic procedure per Service Advisor. | |

| Electrical System | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
|---|-----------|---------------------|-------------------|----------------------------|--|--|----------|
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Battery | | | | | Service-250 Hours | | |
| Condition | | | | | * | 12.4 V Min. | |
| Electrolyte level | | | | | * | 6mm above plates | |
| Specific gravity | | | | | * | 1.225 Min. | |
| Battery cables/ends | | | | | * | | |
| Starter operation | | | | | * | | |
| Neutral start system | | | | | Check-250Hrs | | |
| Presence of starter terminal guard | | | | | * | | |
| Generator/alternator charging | | | | | * | 150 Amp Min. at 13.2 V. Alternator Output Capacity Test Service Advisor 240-15-001 | |
| Lights/turn signals | | | | | * | | |
| Instruments/indicator lights | | | | | * | | |
| Starting aid operation (If Equipped) | | | | | * | | |
| Wiring harnesses | | | | | * | Condition-Damaged ? | |
| Review Misc. Electrical Components | | | | | * | Review function and wiring for add on items such as monitors, radios etc. | |
| Power Train | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Oil Level | | | | | Check | | |
| Transmission operation | | | | | * | Service Advisor 250-10-002 | |
| PST Accumulator | | | | | * | Service Advisor 250-15-016 (20-25 PSI Normal) 45 PSI Max Change | |
| System operating pressure | | | | | * | Service Advisor 250-15-003 | |
| Lube pressure | | | | | * | Service Advisor 250-15-010 | |
| PTO clutch and brake operation | | | | | * | Service Advisor 250-15-004 | |
| Transmission park mechanism | | | | | 250 Hours | Service Advisor 250-15-004, (Test = 250-10-001) | |
| Transmission/hydraulic filters | | | | | 750 Hours | Replacement | |
| Transmission/hydraulic oil | | | | | 1500 Hours | Replacement | |
| Transmission Breather | | | | | * | | |
| Transmission sump screen | | | | | 1500 Hours | Clean | |
| Drain Clean Oil Reservoir and Pump Drive Housing | | | | | 1500 Hours | Replacement | |
| Transmission Element Leak Test | | | | | * | Service Advisor 250-15-007 | |

| Track, Wheels, Rollers, Steering and Brakes | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
|--|-----------|---------------------|-------------------|----------------------------|--|---|----------|
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Steering operation | | | | | * | | |
| Steering valve | | | | | * | Leakage | |
| Steering motor, cylinders, and hoses | | | | | * | Leakage | |
| Replace Steering Filters | | | | | 750 Hours | | |
| Change Drive Wheel Oil | | | | | 1500 Hours | | |
| Mid-Frame Roller Oil Level | | | | | 1500 Hours | | |
| Lube Tension Cylinder and Inspect | | | | | 10 Hours | | |
| Lube Front Idler and Inspect | | | | | 10 Hours | | |
| Inspect Drive Wheels | | | | | * | Operators Manual Sec. 100 | |
| Inspect Mid-Rollers | | | | | * | Operators Manual Sec. 100 | |
| Inspect Track | | | | | * | Operators Manual Sec. 100 | |
| Inspect Undercarriage Frame and Mid Frame | | | | | * | Operators Manual Sec. 100 | |
| Accumulator Pre-Charge Check | | | | | * | | |
| Mid Roller and Front Idler Pivot Check | | | | | * | | |
| Re-Tension Track | | | | | * | Operators Manual Sec. 80 | |
| Brake operation | | | | | 250 Hours | Manual Test per Service Advisor 216-15-016 | |
| Track Alignment | | | | | 250 Hours | Technical Manual Section 95-05 | |
| Steering Drift Test | | | | | * | Service Advisor 260-15-010 | |
| Traction Lug Height | | | | | * | 25% of Original Height | |

| Hitch and Hydraulic System | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
|-------------------------------------|-----------|---------------------|-------------------|----------------------------|--|---|----------|
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Main pump standby pressure | | | | | * | Check Specifications | |
| Hydraulic Pump Flow Test From SCV | | | | | * | Service Advisor 270-15-020 Standard Pump = 14 GPM, Large = 19 GPM at 1000 RPM | |
| Draft Link Support Bushing | | | | | 1500 Hours | Lube | |
| Rockshaft/EH hitch | | | | | * | | |
| Operation | | | | | * | | |
| Cycle test | | | | | * | | |
| Adjustments | | | | | * | | |
| Selective control valve and coupler | | | | | * | Pressure Test | |
| Operation | | | | | * | | |
| Cycle tests | | | | | * | | |
| Lines and clamps | | | | | * | | |
| Leaks | | | | | * | | |
| Operators Station | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Seat belt | | | | | * | Worn / Improper Function | |
| Seat operation | | | | | * | | |
| Cab Body | | | | | * | | |
| Cab Body mounting | | | | | * | | |
| Cab filter condition | | | | | 250 Hours | Clean/Replace | |
| Wipers and Washers | | | | | * | | |
| Wiper blade condition | | | | | * | | |
| Blower motor operation | | | | | * | | |
| Heater operation | | | | | * | | |
| Air conditioning | | | | | * | | |
| Operation | | | | | * | | |
| System charge | | | | | * | | |
| Check for external plugging | | | | | * | | |
| Condenser | | | | | * | | |
| Evaporator | | | | | * | | |
| Heater core | | | | | * | | |
| Mirrors | | | | | * | | |
| ROPS | | | | | * | | |

| Misc. | CONDITION | | | Customer OK's Repair | Recommended Service Intervals (Annual *) | Recommended Service, Inspection Specification, Additional Information | Comments |
|---------------------------------|-----------|---------------------|-------------------|----------------------------|--|---|--|
| | OK | Repair / Replace | Needs Adjusted | | | | |
| Drawbar & Support | | | | | * | Bent , Broken Bolts | |
| Belt Tensioners | | | | | 1500 Hours | 98-118 Nm (72-87 Lb-Ft) Torque | |
| Frame and weights | | | | | * | | |
| | | | | | | | |
| Sheet metal | | | | | * | | |
| PTO shield | | | | | * | | |
| SMV sign | | | | | * | | |
| Wheels | | | | | * | | |
| Wheel Bolt Torque | | | | | 250 Hours | | |
| Axle hardware torque | | | | | 250 Hours | | |
| Grease entire machine | | | | | * | | |
| Safety decals | | | | | * | | |
| Fire extinguisher (if equipped) | | | | | * | | |
| Recheck Stored Codes | | | | | * | Record and Clear all Stored Codes | Recheck for Fault codes that may have been logged during inspection and testing procedures. |