



50, 55, and 60 Series Row Crop Tractors

JOHN DEERE INSPECTION

Revised 22FEB10

CUSTOMER					TRACTOR INFORMATION				
Name:					Work Order:				
Address:					Tractor Hours				
City and State:					Serial Number:				
Phone:					Warranty End Date:				
Date:									
Pre-Inspection	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									
Engine	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information			Comments
	OK	Repair / Replace	Needs Adjusted						
Oil Level					*				
Engine Oil and Filter					250 Hours	Replacement			
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					1000 Hours	Consult Tech Manual			
Crankshaft damper					4500 Hours	Replacement			
High and low idle speeds					*	Lo 850 Hi 2300 RPM			
Oil leaks					*				
Pulleys and belts					*	Cracked, Pieces Missing			
Fuel Injection Nozzles					1500 Hours	Check Pattern & Pressure Setting			

Cooling System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information			Comments
	OK	Repair / Replace	Needs Adjusted						
Radiator cap					Two Years	Replacement			
Coolant Level					*				
Radiator					*	Pressure Check, Leakage, Excessive Debris Collection			
Hoses and Clamps					*	Leakage, Looseness			
Water pump					3000 Hours	Replace			
Weep hole for signs of leakage					*				
Coolant					Two Years	Replacement			
Condition/Freeze Point					*	Test Strip/ Temp Test			
Thermostats					Two Years	Replacement			
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					Clean-750 Hours				
Fuel Tank and Sump					250 Hour - Drain	Review for water contamination			
Fuel Filters					500 Hour	Replacement			
Transfer pump					*	Leak Test/Inspection			
Engine power check					*	Complete Engine Dyno Test and Record Results. Warm trans/hyd oil for subsequent test			

Electrical System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information			Comments
	OK	Repair / Replace	Needs Adjusted				MST	HOURS	
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					*	Consult Tech Manual			
Lights/turn signals					*				
Instruments/indicator lights					*				
Starting aid operation					*				
Wiring harnesses					*				
Review Misc. Electrical Components					*	Review function & 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						
Power Shift, Quad Range Transmission Models									
PTO clutch and brake operation and Element Leak Check					*	PTO, Axle and Differential Diagnosis Section in Tech Manual			
Transmission park mechanism					250 Hours				
Differential lock operation and Leakage Test					*	PTO, Axle and Differential Diagnosis Section in Tech Manual			
Front differential----MFWD Clutch Leak Test					*	PTO, Axle and Differential Diagnosis Section in Tech Manual			
U-joints and shielding----MFWD					*				
Axles-outer axle seal and bearing condition					*	Lubricate, Inspect for Excessive Leakage			
Brake pedal adjustment					*	Height Adjustment			
Transmission/hydraulic filters					750 Hours	Replacement			
Transmission/hydraulic/MFWD oil					1500 Hours	Replacement			
Transmission/MFWD breather					*				
Transmission sump screen					1500 Hours	Clean			
MFWD Breather					250 Hours	Clean			
Front differential oil level---MFWD					1500 Hours	Replacement			
Power Shift Transmission									
Oil Level					*				
System operating pressure					*	Power Shift Diagnosis Section in Tech Manual			
Lube pressure					*	Power Shift Diagnosis Section in Tech Manual			
Transmission Element Leak Test					*	Power Shift Diagnosis Section in Tech Manual			
Quad Range Transmission									
Oil Level					*				
System operating pressure					*	Quad Range Diagnosis Section in Tech Manual			
Lube pressure					*	Quad Range Diagnosis Section in Tech Manual			
Transmission operation, Clutch and Hi- Low Element Leakage Check					*	Quad Range Diagnosis Section in Tech Manual			

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 cylinders, and hoses					*	Leakage			
Tie rod and drag link ends					250 Hours	Lube			
Steering arm					*				
Front axle pivot bushings					250 Hours	Lube			
Front axle spindle bearings					1500 Hours	Lube			
Front wheel bearings					1500 Hours	Lube			
Record Toe In (2WD)					*				
Brake operation					*				
Brake valves					*	Leaks / Function			
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					*	Hydraulic Diagnostic Section in TM			
Hydraulic Pump SCV Flow Test					*	Hydraulic Diagnostic Section in TM			
Draft Link Support Bushing					250 Hours	Lube			
Rockshaft / Hitch					*	Lube			
Operation					*				
Cycle test					*				
Adjustments					*				
Selective control valve and coupler					*	Pressure Test (Check all SCV/Coupler Outlets for pressure drop or increase)			
Operation					*				
Cycle tests					*				
Lines and clamps					*				
Leaks					*				

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	Consult Repair and Adjustments Section in Tech Manual			
Frame and weights					*				
Sheet metal					*				
PTO shield					*				
SMV sign					*				
Wheels and tires					*				
Wheel Bolt Torque					250 Hours				
Front axle hardware torque					250 Hours				
Grease entire machine					*				
Safety decals					*				
Fire extinguisher (if equipped)					*				
Operator's 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 Annually			
Wipers, Blades and Washer					*				
Blower motor operation					*				
Heater operation					*				
Air conditioning					*				
Operation					*				
System charge					*				
Check for external plugging					*				
Condenser					*				
Evaporator					*				
Heater core					*				
Cab Glass					*	Check for scratches			
Mirrors					*				
ROPS					*				