



8030 Series Row Crop 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					*		
Engine Oil and Filter					250 Hours	Replacement	
Intake system, Hose and Clamps					*	Inspect	
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	Intake .46 mm. Exhaust .71mm	
Crankshaft damper					4500 Hours	Replacement	
High and low idle speeds					*	Lo 890-910 Hi 2275-2375 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				
Front cooling module					As Required	Open coolers & clean. Straighten any bent cooling fins.	
Radiator cap					Two Years	Replacement	
Coolant Level					*	Check de-aeration tank	
Radiator					*	Pressure Check, Leakage, Excessive Debris Collection	
Hoses and Clamps					*	Deterioration	
Vari Cool Fan drive						Check oil seal leak, belts & sheaves	
Water pump & weep hole					*	Leakage, Paint Discoloration	
Coolant					Two Years	Replacement	
Conditioner /Freeze Point					*	Test Strip/ Temp Test	
Thermostats					Two Years	Replacement	
Variable rate fan drive						Check for leaks	

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					*	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					* Annual check		
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.	
Lights/turn signals					*		
Instruments/indicator lights					*		
Starting aid operation					*		
Wiring harnesses					*		
Review Misc. Electrical Components					*	Review function & wiring for add on items like 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					*		
Transmission operation					*	Service Advisor 250-15-007	
PST Accumulator					*	Service Advisor 250-15-016 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	
Differential lock operation					*	Service Advisor 250-15-004	
Front differential----MFWD					*	Service Advisor 250-15-004	
U-joints and shielding----MFWD					*		
Axles-outer axle seal and bearing condition					*	Excessive Leakage	
Brake pedal adjustment					*	Height Adjustment	
Transmission/hydraulic filters					1500 hours	Replacement	
Transmission/hydraulic/MFWD oil					1500 Hours	Replacement	
Transmission/MFWD breather					*		
Transmission sump screen					1500 Hours	Clean	
Outboard Planetary Oil Level					1500 hours	Replacement - Uses GL-5	
Front differential oil level----MFWD					1500 Hours	Replacement - Hy-GARD	
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	
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 valve & operation					*	Leaks / Function	
ILS Suspension					250 Hours	Lube	
ILS Internal Ball Joints					1500 Hours	Lube	
ILS Internal Tie Rod					1500 Hours	Lube	
ILS Accumulator Pressure Check					1500 Hours	Check Specifications	
ILS Rod and Head End Accumulators					*	Service Advisor 270-10-003 Operational Check & Leveling Check	

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					*		
Evaporator					*		
Heater core					*		
Mirrors					*		
ROPS					*		
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 270-15-013 Standard Pump = 21 GPM, Large = 28.5 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					*		
ILS Accumulator Charge Pressure					1500 Hours	Need Spec	

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	
Aux Drive Belt Tensioner					Annual	98-118 Nm (72-87 Lb-Ft) Torque	
Aux Drive Belt Condition					Annual	Check belts and pulleys	
Frame and weights					*		
Bottom frame plate cap screw torque					*		
Sheet metal					*		
PTO shield					*		
SMV sign					*		
Wheels and tires					*		
Wheel & Wheel Weight Bolt Torque					250 Hours		
Front axle hardware torque					250 Hours		
Front wheel bearings					*		
Grease entire machine					*		
Safety decals					*		
Fire extinguisher (if equipped)					*		
Recheck Stored Codes					*	Record and Clear all Stored Codes	
AMS	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted				
AutoTrac Tractor Machine Kit (if equipped)						See sales manual for proper replacement part numbers	