

# 8000 Series Row Crop Tractor 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	
	OK	Repair / Replace	Needs Adjusted				
Fluid test kit - TY26859							
Stored Codes					*	Record & Clear all Stored Codes	
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					2000 Hours	Consult Service Advisor for Spec	
Crankshaft damper					4500 Hours	Replacement	
High and low idle speeds					*	Lo 890-910 Hi 2275-2375 RPM	
Oil leaks					*		
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					*	Leakage, Paint Discoloration	
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					*	Pressure Test	
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				
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.	
Lights/turn signals					*		
Instruments/indicator lights					*		
Starting aid operation					*		
Wiring harnesses					*		
Review Misc. Electrical Components					*	Review function and wiring for add on items such as monitors, radios etc.	
Pulleys and belts					*	Cracked, Pieces Missing	
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					*		
System operating pressure					*	Service Advisor 250-10	
Lube pressure					*	Service Advisor 250-10	
Transmission Element Leak Test					*	Service Advisor 250-10	
PTO clutch and brake operation					*	Service Advisor 256-25	
Transmission park mechanism					250 Hours	Service Advisor 250-10	
Differential lock operation					*	Service Advisor 256-25	
Front differential----MFWD					*	Service Advisor 256-25	
U-joints and shielding----MFWD					*		
Axles-outer axle seal and bearing condition					*	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	
Front differential oil level----MFWD					1500 Hours	Replacement	
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	

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					*		
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					*	Service Advisor 270-10	
Hydraulic Pump Flow Test From SCV					*	Service Advisor 270-10	
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					*		
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					*		
Bottom frame plate cap screw torque					*		
Sheet metal					*		
PTO shield					*		
SMV sign					*		
Wheels and tires					*		
Wheel 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	Recheck for Fault codes that may have been logged during inspection and testing procedures.

AMS™		CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information	Comments
		OK	Repair / Replace	Needs Adjusted				
Command Center							Confirm proper installation and walk customer through tutorial as necessary.	Confirm proper installation and walk customer through tutorial as necessary
StarFire™ Receiver							Confirm signal and power on.	Determine if SF1, SF2, or RTK are configured correctly
AMS™ Software and Hardware							Verify all software and hardware versions and notify customer if updates are available.	
AMS™ Installed Options		CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	Recommended Service, Inspection Specification, Additional Information	Comments
		OK	Repair / Replace	Needs Adjusted				
JDLink™ : SAR, RDA, and WDT							Verify connection with MTG and confirm that MTG can call in.	
StarFire™ Receiver								
	Terrain Compensating Module (TCM)						Check calibration and functionality upon customer request.	
RTK Radio							Check for damage. Tighten loose screws and confirm that radio is attached to StarFire™ shroud.	
	Antenna						Check for damage and verify connection to radio (hand tight only - do not overtighten antenna)	
	Activations						Check if SF2-ready and RTK activation is still active on the StarFire™ receiver	
	Setup						Verify setup as vehicle and confirm settings (channel, timeslot, etc.) with customer.	
Machine Sync Automation								Tractor with 2630 and Tractor Speed Automation Activation for Machine Sync Automation needed in order to test full functionality. To check if tractor has Tractor Speed Automation for Machine Sync installed: <a href="http://dlrdoc.deere.com/ag_ii/ams/PFP13843_19_16DEC13.pdf">http://dlrdoc.deere.com/ag_ii/ams/PFP13843_19_16DEC13.pdf</a>
	Antenna						Check for damage. Replace any damaged parts	
	Ethernet Cables						Check connectivity and functionality; tighten loose cables and confirm connection.	
	RTK Radio						Confirm network connection and functionality.	
AutoTrac™ System							Check all payloads for proper installation, functionality, and calibration. Replace and recalibrate as necessary.	See sales manual for proper replacement part numbers.
AutoTrac™ Universal							Check all payloads for proper installation, functionality, and calibration. Replace and recalibrate as necessary.	