

Maintenance Intervals

Maintain Daily Before Start-Up

IMPORTANT: Do not operate the machine when oil level is below the lower mark on dipstick.

For any off level operation, engine oil must be maintained at the FULL mark to avoid engine damage.

1. Check the engine oil level. (See *Engine Maintenance* for procedure.)
2. Raise hood. Clean dust unloading valve. (See *Air, Fuel, Coolant, and Exhaust Maintenance* section for procedure.)
3. Check transmission/hydraulic oil. (See *Hydraulics Maintenance* for procedure.)
4. Inspect machine for any damage. Repair as needed before any operation.
 - Debris around cooling package
 - Exhaust and engine areas
 - Mud and field debris buildup
 - Low tire pressure
 - Loose hardware
5. If operating in wet or muddy conditions, lubricate the following at the 10 hour service interval with multipurpose grease:
 - Front axle pivot pin
 - Rear axle bearings
 - Front and rear hitch

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Maintenance Interval Chart

Item	Daily or 10 Hours	Weekly or 50 Hours	First 100 Hours	Every 250 Hours	Every 300 Hours	Every 500 Hours	Every 600 Hours
Check Engine Oil Level	•						
Clean Air Filter Dust Unloading Valve	•						
Drain Water and Sediment from Fuel Filter	•						
Check Coolant Level		•					
Check Transmission/Hydraulic System Oil Level		•					
Inspect MFWD for Oil Leaks		•					
Inspect Tires and Check Tire Inflation Pressure		•					
Lubricate MFWD Axle Trunnion		•					
Lubricate 2WD Axle Pivot Point		•					
Lubricate 2WD Axle Steering Spindles and Cylinder Ends		•					
Lubricate Rear and Front Hitch		•					
Inspect Machine for Loose Hardware		•					
Tighten Air Intake System and Coolant System Hose Clamps			•				•
Change Transmission/Hydraulic Filter			•				•
Activated carbon filters				•			
Check MFWD Axle Housing and Wheel Hub Oil Level					•		
Inspect Hitch and Drawbar for Excessive Wear					•		
Lubricate Draft Sensing Shaft Seal					•		
Drain and Flush Fuel Tank					•		
Change Engine Oil and Filter (2.9 Liter 3 Cylinder Engine)			•			•	
Replace Fuel Filters (2.9 Liter 3 Cylinder Engine)						•	
Change Engine Oil And Filter (4.5 Liter 4 Cylinder Engine)						•	
Replace Fuel Filters (4.5 Liter 4 Cylinder Engine)						•	
Clean Cab Air Filters							•
Check Neutral Start System							•
Change MFWD Axle Wheel Hub and Housing Oil							•
Clean Open Crankcase Vent (OCV)							•
Repack 2WD Axle Wheel Bearings							•
Lubricate Rear Axle Bearings							•
Check Axle Pivot Pin End Play							•

Maintenance Chart — Daily (10 Hours) to 600 Hours

Item	Every 1200 Hours	Every 1500 Hours	Annually	Every 3000 Hours	Every 4500 Hours
Clean Fuel Tank Vent Filter	•				
Replace Belts and Check Fan Belt Tensioners	•				
Service Air Cleaner Elements	•				
Change Front PTO Oil	•				
Change Transmission/Hydraulic Oil and Filter	•				
Adjust Engine Valve Clearance (2.9 Liter 3 Cylinder Engine) ^a	•				
DEF Header Filter and Supply Module Filter		•			
Lubricate PTO Stub Shaft			•		
Check Coolant Properties			•		
Inspect Seat Belts			•		
Change Open Crankcase Ventilation Filter (OCV)			•		
Service Battery and Connections			•		
Adjust Engine Valve Clearance (4.5 Liter 4 Cylinder Engine) ^a				•	

Maintenance Intervals

Item	Every 1200 Hours	Every 1500 Hours	Annually	Every 3000 Hours	Every 4500 Hours
Test or Replace Thermostat				•	
Replace Transmission Dampener ^a					•
Drain and Replace Coolant					•

Maintenance Chart — 1200 Hours to 4500 Hours

^aSee your John Deere dealer for service

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