

Maintenance Procedures

Maintenance Schedule

The maintenance procedures have been divided into subsections that include: Commissioning, Quarterly, Annually and Programmed maintenance intervals. The maintenance inspection report has been divided into general areas of the machine that include: Drive Chassis, Booms and Fork, Functions and Controls and Powertrain.

Failure to perform these procedures may result in poor performance, component damage and unsafe operating conditions. They are essential to safe operation, machine performance and service life.

Commissioning: A series of required one time maintenance procedures to be performed at 50 and 150 hour intervals.

Quarterly and Annually: A series of maintenance procedures to be performed quarterly or annually.

Programmed: A series of maintenance procedures to be performed during a Pre-Delivery Preparation or based on machine operating hours.







Maintenance Inspection Report

The maintenance inspection report contains checklists for each type of scheduled inspection.







Make copies of the *Maintenance Inspection Report* to use for each inspection. Maintain completed forms for a minimum of 4 years or in compliance with your employer, jobsite and governmental regulations and requirements.

Instruction Examples









Commissioning Example:

Commissioning		 50	 150
 Engine - all models	 PO-1		





Quarterly and Annually Example:

 Drive Chassis	 Intervals	Q	A
 Inspect the tires, wheels and Lug Nut Torque	 Q-4		 \emptyset

Programmed Example (under 1000 HRS):








Programmed Maintenance - Under 1000 HRS		Status	Enter Hours
 Check Track Tension/Fastener Torque	 PO-1		 50
 Engines - Deutz Under 1000 HRS	 PO-2		

Programmed Example:

Programmed Maintenance	 Hours are in thousands					
All models	1	2	3	4	6	12
 Engine - all models, 1000 hrs	 P1-1		\emptyset	\emptyset	\emptyset	\emptyset

Instructions Legend

Use the following detailed descriptions to identify the intended use of the maintenance inspection reports.

-  Specific Interval: blank box is the interval to be completed and the \emptyset marks the interval as not required.
-  The description of the procedure or checklist to be completed.
-  The procedure number or checklist to be completed.
-  Check box to indicate status of inspection.
-  Specific interval is not required for this procedure.
-  General area of the machine to complete the procedure.
-  If this box has a designated time interval: this is the specific time interval to complete the procedure or checklist.

If this box is empty: the maintenance checklist will include multiple time intervals, use this box to write in the specific interval for the inspection completed.



Pre-Delivery Preparation Report

Fundamentals

It is the responsibility of the owner or dealer to perform the Pre-delivery Preparation.

The Pre-delivery Preparation is performed prior to each delivery. The inspection is designed to discover if anything is apparently wrong with a machine before it is put into service.

A damaged or modified machine must never be used. If damage or any variation from factory delivered condition is discovered, the machine must be tagged and removed from service.

Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

Scheduled maintenance inspections shall be performed by qualified service technicians, according to the manufacturer's specifications and the requirements listed in the responsibilities manual.

Instructions

Use the operator's manual on your machine.

The Pre-delivery Preparation consists of completing the Pre-operation Inspection, the Maintenance items and the Function Tests.

Use this form to record the results. Place a check in the appropriate box after each part is completed. Follow the instructions in the operator's manual.

If any inspection receives an N, remove the machine from service, repair and re-inspect it. After repair, place a check in the R box.

Legend

- Y = yes, acceptable
- N = no, remove from service
- R = repaired

Comments

Pre-delivery Preparation	Y	N	R
Pre-operation inspection completed			
Maintenance items completed			
Function tests completed			



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Model

Serial number

Date

Machine owner

Inspected by (print)

Inspector signature

Inspector title

Inspector company

Model		Hour meter	Date
Serial number		Inspector company	Machine owner
Inspected by (print)		Inspector signature	
Scheduled Maintenance: Inspection Type Q = quarterly or frequent inspections A = annual inspections	Legend Y = yes, acceptable N = no, remove from service R = repaired ∅ = not applicable	Make copies of this report to use for each inspection. Select the appropriate procedures for the type of inspection(s) to perform.	Programmed Maintenance: Programmed maintenance will be completed based on machine hours. This program includes the onetime or commissioning procedures for new products. The onetime procedures will be completed at 50 or 150 hours.
If any inspection receives an "N," tag and remove the machine from service, repair and re-inspect it. After repair, place a "R" in the box.			

Drive Chassis	Intervals	Q	A
Inspect the Tires, Wheels and Lug Nut Torque	Q-6		
Mechanicals and Hydraulics	Intervals	Q	A
Inspect the Fuel and Hydraulic Tank Cap Venting Systems	Q-8		
Visual Inspection of the Hydraulic Oil	Q-9		
Replace Hydraulic Tank Return Filter Element	A-5	∅	
Replace the Cab Air Intake Filter (if equipped)	A-6	∅	
Electrical	Intervals	Q	A
Battery Inspection	Q-2		
Inspect the Electrical Wiring	Q-3		
Powertrain	Intervals	Q	A
Check the Exhaust System	Q-5		
Inspect the Engine Air Filter	Q-10		
Lubricate the Driveshaft	Q-11		
Boom(s) and Fork	Intervals	Q	A
Check the Boom Wear Pads	Q-4		
Inspect the Fork Level and Aux. Hydraulic Hoses	Q-7		
Inspect and Lubricate the Sequencing Chains - GTH-636, 1256, 1544, 844, 1056	Q-12		
Inspect the Forks	A-1	∅	
Adjust the Boom Chains - GTH-636, GTH-844	A-2	∅	
Adjust the Boom Chains - GTH-1056	A-3	∅	
Adjust the Boom Chains - GTH-1256, GTH-1544	A-4	∅	
Functions and Controls	Intervals	Q	A
Check for Open Bulletins and Owner Registration	Q-1		

Commissioning	50	150
Perform 50 Hour Service	C-1	∅
Engine Maintenance - 50 HRS	C-2	∅
150 Hour Service	C-3	∅

Programmed Maintenance - Under 1000 HRS	Status	Enter Hours
Lubricate the Boom	P0-1	8
Deutz Engine Maintenance – Under 1000 HRS	P0-2	
Perkins Engine Maintenance – Under 1000 HRS	P0-3	
John Deere Engine Maintenance – Under 1000 HRS	P0-4	
Axle Maintenance – Under 1000 HRS	P0-5	
Transmission Maintenance – Under 1000 HRS	P0-6	

Programmed Maintenance	Perform every:	Hours are in thousands					
All models	Perform every:	1	2	3	4	6	12
Engines - all models, 1000 HRS	P1-1	∅	∅	∅	∅	∅	∅
Transmissions - all models, 1000 HRS	P1-2	∅	∅	∅	∅	∅	∅
Axles - all models, 1000 HRS	P1-3	∅	∅	∅	∅	∅	∅
Engines - all models, 2000 HRS	P2-1	∅	∅	∅	∅	∅	∅
Test or Replace the Hydraulic Oil	P2-2	∅	∅	∅	∅	∅	∅
Engines - all models, 3000 HRS	P3-1	∅	∅	∅	∅	∅	∅
Engines - all models, 4000 HRS	P4-1	∅	∅	∅	∅	∅	∅
Engines - all models, 6000 HRS	P6-1	∅	∅	∅	∅	∅	∅
Engines - all models, 12000 HRS	P12-1	∅	∅	∅	∅	∅	∅