

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 Platform, Functions and Controls, Engine and Turntable.

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			

Model

Serial number

Date

Machine owner

Inspected by (print)

Inspector signature

Inspector title

Inspector company



A TEREX BRAND

Terex South Dakota, Inc USA
 500 Oak Wood Road
 PO Box 1150
 Watertown, SD 57201-6150
 (605) 882-4000

Genie UK
 The Maltings, Wharf Road
 Grantham, Lincolnshire
 NG31-6BH England
 (44) 1476-584333

Model	Hour meter	Date
Serial number	Inspector company	Machine owner
Inspected by (print)	Inspector signature	
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.

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	Functions and Controls	Intervals	Q	A
Inspect the Tires, Wheels and Lug Nut Torque	Q-6			Check for Open Bulletins and Owner Registration	Q-1		
Check the Oscillate Valve Linkage (if equipped)	Q-8			Test the Ground Control Override	Q-12		
Confirm the Proper Brake Configuration	Q-20			Test Alarm Package (If Equipped)	Q-13		
Extendable Axle Wear Pads (if equipped)	A-4	∅		Test the Emergency Power System	Q-14		
Check Drive Hub Oil Level and Fastener Torque	A-14	∅		Test the Engine Idle Select Operation	Q-15		
Turntable Mechanicals and Hydraulics	Intervals	Q	A	Test Fuel Select Operation - Gas/LPG Models	Q-16		
Visual Inspection of the Hydraulic Oil	Q-9			Inspect the Calibration Decal - ALC1000 Models	Q-17		
Inspect the Hydraulic Filters	Q-10			Test the Recovery System - ALC-1000 Models	Q-18		
Grease the Turntable Rotation Bearing	A-1	∅		Test the Platform Self-leveling	Q-19		
Check Turntable Bearing Bolts	A-2	∅		Test the Drive Brakes	Q-21		
Inspect for Turntable Bearing Wear	A-3	∅		Test Drive Speed – Stowed Position	Q-22		
Electrical	Intervals	Q	A	Test Drive Speed – Raised or Extended Position	Q-23		
Inspect Electrical Contactors - DC / Bi-Energy Models	Q-4			Test the Drive Speed – Raised and Extended Position - ALC1000 Models	Q-24		
Battery Inspection	Q-2			Test the Turntable Level Sensor - Z-135/70, ZX135/70, SX-150 and SX-180	Q-25		
Inspect the Electrical Wiring	Q-3			Test the Secondary Boom Angle Sensor - Z-135/70 and ZX135/70	Q-26		
Engine	Intervals	Q	A	Test the Primary Boom Angle Sensor - Z-135/70 and ZX135/70	Q-27		
Check the Exhaust System	Q-5			Test the Primary Boom Angle Sensor - SX-150 and SX-180	Q-28		
Check Generator Belts/Pulleys - Bi-Energy Models	Q-7			Test the Safety Envelope Limit Switches - Z-135/70, ZX135/70, SX-150 and SX-180	Q-29		
Check and Adjust Engine RPM	Q-11			Test the Primary Boom Angle Sensor - Z-80/60	Q-30		
Boom(s) and Platform	Intervals	Q	A	Test the Safety Envelope and Circuits - Z-80/60	Q-31		
Jib Rotate Bearing (if equipped)	A-5	∅		Check the Safety Envelope Limit Switches and Angle Sensor - S-60X, S-60XC and S-80	Q-32		
Grease the Platform Overload Mechanism	A-7	∅		Test the Safety Envelope and Circuits - S-100, S-105, S-120 and S-125	Q-33		
Test Platform Overload - All Models, Except ALC1000 and S-60HC Models	A-8	∅		Test the Aircraft Protection System (if equipped)	Q-34		
Test Platform Overload - (ALC1000 models)	A-9	∅		Test the Operator Protection Alarm (if equipped)	Q-35		
Test Platform Overload - (S-60 HC models)	A-10	∅		Test the Bypass/Recovery Key Switch	A-6	∅	
Inspect Boom Cables - All S-60, S-80 Models	A-11	∅					
Inspect Boom Cables - S-100 to S-125 Models	A-12	∅					
Inspect Boom Cables - SX-150 and SX-180	A-13	∅					

Model	Hour meter	Date
Serial number	Inspector company	Machine owner
Inspected by (print)	Inspector signature	
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.		Legend Y = yes, acceptable N = no, remove from service R = repaired Ø = not applicable
Make copies of this report to use for each inspection. Select the appropriate procedures for the type of inspection(s) to perform.		

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.

Commissioning	50	150
50 Hour Service - all models C-1		Ø
Engines - Ford/Kubota Models C-2		Ø
150 Hour Service C-3	Ø	
Programmed Maintenance - Under 1000 HRS	Status	Enter Hours
Check the Track Tension and Fastener Torque - S-60, S-65 and Z-62 Models P0-1		50
Check the Track Tension and Fastener Torque - S-40 and S-45 Models P0-2		50
Grease the Extendable Axles - (if equipped) P0-3		50
Engines - Continental Under 1000 HRS P0-4		
Engines - Cummins Under 1000 HRS P0-5		
Engines - Deutz Under 1000 HRS P0-6		
Engines - Ford Under 1000 HRS P0-7		
Engines - Kubota Under 1000 HRS P0-8		
Engines - Perkins Under 1000 HRS P0-9		
Engines - GM .998L Under 1000 HRS P0-10		
Engines - GM 3.0L Under 1000 HRS P0-11		

Programmed Maintenance		Hours are in thousands					
All models	Perform every:	1	2	3	4	6	12
Engines - all models, 1000 Hours	P1-1		Ø	Ø	Ø	Ø	Ø
Replace the Drive Hub Oil	P1-2		Ø	Ø	Ø	Ø	Ø
Engines - all models, 2000 Hours	P2-1	Ø		Ø	Ø	Ø	Ø
Test or Replace the Hydraulic Oil	P2-2	Ø		Ø	Ø	Ø	Ø
Replace the Hydraulic Filters	P2-3	Ø		Ø	Ø	Ø	Ø
Check the Free-wheel Configuration	P2-4	Ø		Ø	Ø	Ø	Ø
Check the Boom Wear Pads	P2-5	Ø		Ø	Ø	Ø	Ø
Check the Extendable Axle Wear Pads	P2-6	Ø		Ø	Ø	Ø	Ø
Check Turntable Gear Backlash - ALC1000 Models	P2-7	Ø		Ø	Ø	Ø	Ø
Grease Steer Axle Wheel Bearings 2WD Models (except Z-62/S-60/S-65)	P2-8	Ø		Ø	Ø	Ø	Ø
Grease Steer Axle Wheel Bearings, 2WD Models - Z-62 / S-60 / S-65	P2-9	Ø		Ø	Ø	Ø	Ø
Engines - all models, 3000 Hours	P3-1	Ø	Ø		Ø	Ø	Ø
Engines - all models, 4000 Hours	P4-1	Ø	Ø	Ø		Ø	Ø
Engines - all models, 6000 Hours	P6-1	Ø	Ø	Ø	Ø		Ø
Engines - all models, 12000 Hours	P12-1	Ø	Ø	Ø	Ø		Ø
Replace Boom cables - S-100HD and S-120HD	P12-2	Replace every 7 years					
Replace Boom cables - S-60 Models, S-80 Models, S-100, S-105, S-120, S-125, SX-150, SX-180	P12-3	Replace every 10 years					