

Date: 30-9-25 Rego: XQ90GD Plant ID: 941

Make	Terex	Model	MAC25
Service Type	1,000hr	Serial No:	251264
Service Hrs.	9,000hr 9001 hrs	KM	89354 kms
Next Service	9,250hr	Due (+/- 50Hr. Reading)	

Status type: Satisfactory ✓ Action Required × Not Applicable NA

Status type: Satisfactory ✓ Action Required * Not Applicable NA					
Description	Status	Action/ Comments			
1000hr Service					
CABIN	& CONTR	OLS			
Check EMERGENCY Steer Pump Operation	/	Refer Operator's Manual for Spec.			
Check Air Conditioning					
Check 2/4WD & HI/LO Operation	X	2/4 wd valve solenoid faulty			
Check 4WD Audible Warning	×	/ '/			
Check Diff Lock Operation	1				
Check Holding Brake Operation	1				
Check Emergency Stop Button Operation	1				
Check Reversing and Winch Camera Operation					
Check AM/FM Radio Operation	1	4			
Check Heater Operation					
Check Wiper Operation	/				
Refill Windscreen Washer Water & Test Operation	1				
Check Front Spring Lockout Operation	1				
Check Air Conditioning	1	200 bar activation pressure			
Check Park Brake Operation	1				
Check Foot Valve Operation	1				
Check ALL Warning Lights and Buzzers	1				
Check ALL Instruments for Operation/Illumination	1				
Check Indicators & Audible Warning					
Check Hazard Lights	1				
Check Horn(s)					
Check Hyd. Sys. Base Pressure - use Dash Gauge	1,	Refer Operator Manual for Pressures			
Check Hyd. Sys. Max Pressure - use Dash Gauge	1	Refer Operator Manual for Pressures			
Check Steer Pressure at Full Lock (dash gauge)	1				
Check SLEW Light Operation					
Check ALL Hydraulics for Correct Operation	1,	W			
Check ALL 'Crane Control Levers' for Operation	1				
Check Clearance Lights					
Check Head Lights HI/LO					
Check Stop Lights	/	· · · · · · · · · · · · · · · · · · ·			
Check Reverse Light(s) & Alarm	/				



Check ALL Work Lights		-			
Check Low Air Warning Devices		/			
Check Rotating Light Operation		/			
Check Interior Light Operation		/			
Check Cabin for Water Leaks		/			
Check Seat Mounting & Operation	n	/			
Check Seat Belt Condition		//			
Check Door Locks & Catches for	Operation	/			
Check Panel Condition			New scratches dow CHS		
Check Cabin Condition		1			
Registration Valid & In Date	West In	/	/		
Trogistration valid a in bato	ENGINE BAY	& TRANS	MISSION		
Clean or Replace Air Filter (Oute		1	I		
Visual Inspect Radiator Screen &		,			
Blockage	Cooler Coles loi	/	Cleaned		
Check Coolant & Inhibitor Level /	Concentration	/			
Check ALL Coolant / Heater System		-			
Visual Inspect Air Intake Pipes &		-			
Tighten Intake Hose Clamps	nuses				
Check Fan Viscous Coupling	nor Mount/Dolto	-			
Check Alternator & A/C Compress	sor Mount/Boits	/			
Check Engine Drive Belt					
Check Engine Oil Level		/			
Check Engine, Lines & Hoses for Abrasion & Position		/			
Check Engine Piping for Leaks		/			
Visual Inspect Engine Mount(s) Condition		/			
Check for Fuel Leaks ALL Points		/			
Check for Oil Leaks in Engine Are		/			
Check Hydraulic Pump PTO, Mou	inting & Bolts	/_			
Check Transmission Oil Level	0.7-00				
For cranes AFTER serial no. 25	The state of the s				
Check Oil Service Condition Thro		/	Replace oil and filter if lower than 30% 27%		
Check Filter Service Condition Th	rough Gear Selector	/	Replace oil and filter if display is reading (LO)		
Pad		/			
DRIVE TRAIN & SUSPENSION					
Check Planetary Reduction (s) Oi	l Level				
Check Transfer Case Oil Level			Run at 1000 rpm for 1 min, then check immediately		
Check Transfer Case Cooler System for Flow & Leaks					
Check Front Differential Oil Level		1			
Check Rear Differential Oil Level		1,			
Check Clamping Bolts Front & Rear Spring Packs					
Check ALL Springs for Broken Le					
Check Radius Rods/Front Torsion Arms Tightness		X	Refer Operators Manual for Tensions		
Check ALL Drive / Jack Shaft Universal Joints		7			
Lube ALL Universal Joints on Drive Line					
Check Brake Shoe Thickness (via		1	Document thicknesses		
Check Brake Pads Wear & Recor		/	FRONT 7mm / REAR 14mm		
L/H	R/H	-	Minimum Thickness = mm		
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Autod		
Axle 1	/	
Axle 2	+-/-	
Axle 3	-	
Axle 4		
Adjust ALL Service Brakes	1	
Drain ALL Air Tanks of Water / Sediments	1	
Check ALL Steering Pins / Bearings for Wear		
Lube ALL Steering Pins / Bearings	//	Use SBX-2 Grease
Tighten Steering Pin Bolts	/	Torque setting 312nM/230lb.ft
Inspect spring lockout retaining pins	/	As per Service bulletin SB0136
Inspect steering hoses	/	As per Service bulletin SB0069
Inspect steering cylinder rod clevis		As per Service bulletin SB0063
BOOI	M ASSEME	BLY
Adjust ALL Retract & Extension Ropes/Chains		Refer Operator's Manual for Spec.
Check 2nd Extension Cylinder Anchor Pins	/	Refer Service Bulletin SB0073
Re-tension Tele Secondary Cylinder Hoses	/	Refer Service Bulletin SB0038
Retention internal secondary cylinder hose fittings	/	
Check Winch Gearbox Oil Level		
Check Winch Brake Oil Level		
Check Winch Rope Condition & Lubrication	/	
Check Winch Unit Mountings & Bolts	1	
Visual Inspection of ALL Boom Sect. Damage/Bend	-	
Lube All Boom Sections, Sheaves & Wear Pads		
Inspect ALL Compensating Sheave Bearings	-/-	
Inspect ALL Sheaves on Boom Assy.	-/	
Check Boom Rear Pivot Pins/Bearings for Movement	1	
Lube Rear Boom Pivot Bearings		Use SBX-2 Grease
Check Luff Cyl. Top/Bott Pins & Bearings Movement	-	USC OD/N-2 Cicase
Lube ALL Luff Cyl. Bearings	-	Use SBX-2 Grease
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Check Center Pivot Bearings/Pins for Movement	-/	Refer Service Bulletin SB0105, drawing MXA1013
Lube Centre Pivot Bearings ALL Points	//	Use SBX-2 Grease
Check Hydraulic Reservoir Oil Level	//	Boom Closed Up (Lowered & Retracted)
Check Counterweight Lifting Bolts for Wear & Damage	/	Refer Service Bulletin SB0093
Clean and visually inspect counterweight retention bolt	/	Refer Safety Notice EAF SN 17 001
for cracks		
Check counterweight buffers for hardening or cracking	//	Refer Safety Notice EAF SN 17 001
Check ALL Hydraulic Cyl's for Damage/Leaks	//	
Check ALL Hydraulic Hoses for Damage/Leaks		
Check ALL Wiring for Damage & Correct Routing	1	<u> </u>
Check for Air Leaks ALL Points	/,	
Check Battery Electrolyte Level	1	
Clean & Check Battery Terminals-Holding Clamp		
Check Tyre Pressures & Tyre Condition	1	Tread but on some tyres
Carry Out FULL Function/Operate Test Drive	/	/
Transmission Pre-select Downshift to 3rd		
Check Exhaust Brake Operation	1	
Lift Test Weight if Available		



Check LMI Calibration					
Anti-two block operational					
Boom length & angle indicators	/				
Manual boom length & angle indicators					
Level indicators					
Emergency controls (E-Stops)		The Control of Control			
Operation & safety manuals					
2 way radios condition / operation					
	500hr Service				
	Journ Gervice				
Carry Out 250 Hour Service Schedule					
Add the Following:					
Change Engine Oil Filter	/-				
Change Engine Oil	/-				
Change Hydraulic Oil Return Filter					
Change Transfer Case Oil					
Change Front Differential Oil	//	and the second second			
Change Rear Differential Oil	1				
Change Planetary Reduction(s) Oil	//				
Adjust Rear Boom Pivot Bearings	1/				
Change Winch Gearbox Oil	1/				
Change Winch Brake Oil					
1	000hr Servic	e			
Carry Out 250 / 750 Hour Service Schedule					
Carry Out 500 Hour Service Schedule	1				
Add the Following:					
Change Primary (Outer) Air Filter Element					
Change Safety (Inner) Air Filter Element					
Replace Fuel Filter Element					
Replace Fuel Pre-filter Element					
Adjust Valve Clearances					
Change Cylinder Head Valve Cover Gasket	+ /				
Check & Clean Engine Breather	+-				
Sample Hydraulic Oil using Kit PP2128300	111				
For cranes BEFORE serial no 25324:	NA				
Change Auto Transmission Oil and filters	+ /				
For cranes AFTER serial no 25324:	+/				
Change Auto Transmission Oil and filters		At 1000hrs or when instructed by oil/filter life			
Change Auto Transmission Oil and litters		monitor if sooner. Not applicable to transmissions			
		filled with synthetic oil.			
2000hr Service					
Carry Out 250 / 750 Hour Service Schedule					
Carry Out 500 Hour Service Schedule					
Carry Out 1000 Hour Service Schedule					
Add the Following:					
Change Engine Coolant					
Check Wear Pad "Clearance" & Boom Alignment		If Wear is Out Limits Strip & Remove ALL Pads			



5000hr Service				
Inspect counterweight boss for wear, damage or weld cracks				

OTHER NOTES:

* 2/4 wd value solenoid faulty - not switching

* Rear Diff radius rods bushes need replacing RHS

* Hydraulic leak from top of tele control lever - new one ordered

* Replaced uni joint

* Repaired damaged filling on counterweight control lever

* LHF mud flap tom

* Serviced transmission

* 2 × reflectors missing - filled new ones

Completed by:	Chrotian.C		Mechanic / Fitter	1-10-25
	Name		Position	Date
	Sheldu	V		2-1.0-28
	Name		Position	Date