



Terex MAC25 Franna Service Schedule

Date: 24-5-24 Rego: XQ90GD Plant ID: 941

Make	Terex	Model	MAC25
Service Type	500hr	Serial No:	251264
Service Hrs.	7,500hr	KM	
Next Service	7,750hr	Due (+/- 50Hr. Reading)	7493

Status type: Satisfactory ✓ Action Required ✖ Not Applicable NA

Description	Status	Action/ Comments
250hr / 750hr Service		
CABIN & CONTROLS		
Check EMERGENCY Steer Pump Operation	✓	Refer Operator's Manual for Spec.
Check Air Conditioning	✓	
Check 2/4WD & HI/LO Operation	✓	
Check 4WD Audible Warning	✓	
Check Diff Lock Operation	✓	
Check Holding Brake Operation	✓	
Check Emergency Stop Button Operation	✓	
Check Reversing and Winch Camera Operation	✓	
Check AM/FM Radio Operation	✓	
Check Heater Operation	✓	
Check Wiper Operation	✓	
Refill Windscreen Washer Water & Test Operation	✓	
Check Front Spring Lockout Operation	✓	
Check Air Conditioning	✓	200 bar activation pressure
Check Park Brake Operation	✓	
Check Foot Valve Operation	✓	
Check ALL Warning Lights and Buzzers	✓	
Check ALL Instruments for Operation/Illumination	✓	
Check Indicators & Audible Warning	✓	
Check Hazard Lights	✓	
Check Horn(s)	✓	
Check Hyd. Sys. Base Pressure - use Dash Gauge	✓	Refer Operator Manual for Pressures
Check Hyd. Sys. Max Pressure - use Dash Gauge	✓	Refer Operator Manual for Pressures
Check Steer Pressure at Full Lock (dash gauge)	✓	
Check SLEW Light Operation	✓	
Check ALL Hydraulics for Correct Operation	✓	
Check ALL 'Crane Control Levers' for Operation	✓	
Check Clearance Lights	✓	
Check Head Lights HI/LO	✓	
Check Stop Lights	✓	
Check Reverse Light(s) & Alarm	✓	



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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	/	
Check Seat Belt Condition	/	
Check Door Locks & Catches for Operation	/	
Check Panel Condition	/	
Check Cabin Condition	/	
Registration Valid & In Date	/	
ENGINE BAY & TRANSMISSION		
Clean or Replace Air Filter (Outer Element Only)	/	
Visual Inspect Radiator Screen & Cooler Cores for Blockage	/	
Check Coolant & Inhibitor Level / Concentration	/	
Check ALL Coolant / Heater System Hoses	/	
Visual Inspect Air Intake Pipes & Hoses	/	
Tighten Intake Hose Clamps	/	
Check Fan Viscous Coupling	/	
Check Alternator & A/C Compressor Mount/Bolts	/	
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 Area	/	
Check Hydraulic Pump PTO, Mounting & Bolts	/	
Check Transmission Oil Level	/	
For cranes AFTER serial no. 25324:		
Check Oil Service Condition Through Gear Selector Pad	63%	Replace oil and filter if lower than 30%
Check Filter Service Condition Through Gear Selector Pad	✓	Replace oil and filter if display is reading (LO)
DRIVE TRAIN & SUSPENSION		
Check Planetary Reduction (s) Oil 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	/	
Check Rear Differential Oil Level	/	
Check Clamping Bolts Front & Rear Spring Packs	/	
Check ALL Springs for Broken Leaves	/	
Check Radius Rods/Front Torsion Arms Tightness	/	Refer Operators Manual for Tensions
Check ALL Drive / Jack Shaft Universal Joints	/	Replaced diff uni joint
Lube ALL Universal Joints on Drive Line	/	
Check Brake Shoe Thickness (via insp.holes)	/	Document thicknesses
Check Brake Pads Wear & Record Remaining Thickness	/	
	L/H	R/H
		Minimum Thickness = mm



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Axle 1		/	
Axle 2		/	
Axle 3		/	
Axle 4		/	
Adjust ALL Service Brakes		/	
Drain ALL Air Tanks of Water / Sediments		/	
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
BOOM ASSEMBLY			
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		/	
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		/	
Lube Rear Boom Pivot Bearings		/	Use SBX-2 Grease
Check Luff Cyl. Top/Bott Pins & Bearings Movement		/	
Lube ALL Luff Cyl. Bearings		/	Use SBX-2 Grease
CHASSIS & FINAL CHECKS			
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 for cracks		/	Refer Safety Notice EAF SN 17 001
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		/	
Check for Air Leaks ALL Points		/	
Check Battery Electrolyte Level		/	
Clean & Check Battery Terminals-Holding Clamp		/	
Check Tyre Pressures & Tyre Condition		/	
Carry Out FULL Function/Operate Test Drive		/	
Transmission Pre-select Downshift to 3rd		/	
Check Exhaust Brake Operation		/	
Lift Test Weight if Available		/	



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Check LMI Calibration	/	
Anti-two block operational	/	
Boom length & angle indicators	/	
Manual boom length & angle indicators	/	
Level indicators	/	
Emergency controls (E-Stops)	/	
Operation & safety manuals	/	
2 way radios condition / operation	/	
500hr Service		
Carry Out 250 Hour Service Schedule	/	
<i>Add the Following:</i>		
Change Engine Oil Filter	/	
Change Engine Oil	/	
Change Hydraulic Oil Return Filter	/	
Change Transfer Case Oil	/	
Change Front Differential Oil	/	
Change Rear Differential Oil	/	
Change Planetary Reduction(s) Oil	/	
Adjust Rear Boom Pivot Bearings	/	
Change Winch Gearbox Oil	/	
Change Winch Brake Oil	/	



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OTHER NOTES:

* Replaced worn uni joint on rear diff shaft

Completed by:

Christian C

Name

Mechanic / Fitter

24-5-24

Position

Date

Sheldon

Name

Position

24-5-24

Date

