



Terex AC100/4 Service Schedule

Date: 31-5-24 Rego: 224XIR Plant ID: 910

Make	Terex	Model	AC100/4
Service Type	1,000hr	Serial No:	10496
Service Hrs.	4,000hr (Top) <u>BOTTOM</u>	KM	<u>396,142</u>
Next Service	4,250hr	Due (+/- 50Hr. Reading)	

Status type: Satisfactory ✓ Action Required * Not Applicable NA

Description	Status	Action/ Comments
1000hr Service		
Check Hydraulic Pump PTO, Mounting & Bolts	✓	
Check Transmission Oil Level	✓	
Check Transfer Case Oil Level	✓	<u>REPLACE</u>
Check Transfer Case Cooler System for Leaks	✓	
Check Retarder Oil Level	✓	
Check ALL Differentials Oil Levels	✓	<u>REPLACED</u>
Check Planetary Reduction (s) Oil Level	✓	<u>REPLACED</u>
Check Susp Cylinder - Condition / Leaks / Positions	✓	
Check ALL Suspension components - wear / Tightness	✓	
Check ALL Drive / Jack Shaft Universal Joints	✓	
Check Lube ALL Universal Joints on Drive Line	✓	
Check Brake Lining Thickness / Wear - record thickness	✓	
	L/H	R/H
Axle 1		
Axle 2	<u>60%</u>	
Axle 3		
Axle 4		
Check Park Brake Operation		✓
Check Service Brake Operation	✓	
Check all covers, panels for security	✓	
Drain ALL Air Tanks of Water / Sediments	✓	
Check Diff Lock Operation	✓	
Inspect steering hoses	✓	
Inspect ALL steering links	✓	
Lube ALL axles, and steering knuckle bearing	✓	
Check Steering components	✓	
Lube suspension cylinder ends	✓	
Lube Slew Gear / Bearing	✓	
Check Slew Gear Level	<u>NA</u>	
Lube Rope drum bearing	✓	
Lube Hookblock	✓	
Lube Main Boom Extension Bolts/sliding surfaces etc	✓	



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Lubricate slew gear open teeth	/	
Check for correct operation and Grease Sensors on SVE	/	
Inspect Main Boom Track Rollers	/	
Inspect Main Boom extension rope track rollers	/	
Visually Check Slew Bolts / Gear connections	/	
Visual check for cracks	/	
Check Winch Gearbox Oil Level	/	
Check Winch Rope Condition & Lubrication	/	
Check Winch Unit Mountings & Bolts	/	
Check Hydraulic Tank Oil Level	/	Both Upper and Lower
Visual Inspection of ALL Boom Sect. Damage	/	
Lube Rear Boom Pivot Bearings	/	
Lube ALL Luff Cyl. Bearings	/	
Top up auto greaser (if fitted)	/	
Inspect ALL Sheaves on Boom Assy.	/	
Check ALL Hydraulics for Correct Operation	/	
Check ALL Hydraulic Cyl's for Damage/Leaks	/	
Check ALL Hydraulic Hoses for Damage/Leaks	/	
Check ALL 'Crane Control Levers' for Operation	/	
Check ALL Wiring for Damage & Correct Routing	/	
Check Battery Electrolyte Level	/	
Clean & Check Battery Terminals-Holding Clamp	/	
Check Brake Expanding Cylinders	NA	
Check & Tighten Axle retaining bolts, check axle screw conn.	/	
Inspect steering and radius arms, bushes and ball joints	/	
Visual Inspect Air Intake pipes & hoses	/	Upper & Lower Engines
Check Coolant & Inhibitor Level / Concentration	/	Upper & Lower Engines
Check ALL Coolant / Heater System Hoses	/	Upper & Lower Engines
Visual Inspect Radiator Screen & Cooler Cores for Blockage	/	Upper & Lower Engines
Check Fan Operation	/	Upper & Lower Engines
Check Alternator & A/C Compressor Mount/Bolts	/	Upper & Lower Engines
Check Engine Drive Belts	/	Upper & Lower Engines
Check Engine, Lines & Hoses for Abrasion & Position	/	Upper & Lower Engines
Check Engine Piping for Leaks	/	Upper & Lower Engines
Visual Inspect Engine Mount(s) Condition	/	Upper & Lower Engines
Spray all chrome cylinder rods	/	
Check batteries for electrolyte/ security	/	
Check Clearance Lights	/	
Check Head Lights HI/LO	/	
Check Stop Lights	/	
Check Reverse Light(s) & Alarm	/	
Check Indicators & Audible Warning	/	
Check ALL Work Lights	/	
Check ALL Instruments for Operation/Illumination	/	
Check Low Air Warning Devices	/	
Check Horn(s)	/	



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Check Wiper Operation	/	
Check ALL Warning Lights and Buzzers	/	
Check Exhaust Brake Operation (where fitted)	/	
Check Rotating Light Operation	/	
Check Panel Condition	/	
Check Cabin Condition	/	
Check Interior Light Operation	/	
Check AM/FM Radio Operation If fitted	/	
Check Cabin for Water Leaks	/	
Check Door Locks & Catches for Operation	/	
Check Seat Mounting & Operation	/	
Refill Windscreen Washer Water & Test Operation Upper and Lower	/	
Check Seat Belt Condition / Operation	/	
Check Heater Operation	/	
Check Air Conditioning	/	
Check for Air Leaks ALL Points	/	
Check for Fuel Leaks ALL Points	/	
Check for Oil Leaks in Engine Area	/	
Check Tyre Pressures & Tyre Condition	/	
Carry Out FULL Function/Operate Test Drive	/	
Check Hoist Limit Switch Operation	/	
Check all crane functions for correct operation	/	
Lift Test Weight if Available	/	
Check LMI / SLI Operation / Calibration	/	
Anti-Two Block Operational	/	
Boom Length & Angle Indicators	/	
Manual Boom Length & Angle Indicators	/	
Level Indicators	/	
Operation & Safety Manuals	/	
2 Way Radios Condition / Operation	/	
Registration Valid & In Date	/	
500hr Service		
Carry Out 250 Hour Service Schedule		
<i>Add the Following:</i>		
Clean or Replace Air Filter (Outer Element Only)	/	Upper & Lower Engines REPLACE
Lube cab tilt cylinder ends	/	
Lube house lock pin	/	
1000hr Service		
Carry Out 250 / 750 Hour Service Schedule		
Carry Out 500 Hour Service Schedule		
<i>Add the Following:</i>		
Replace air filters	/	Upper and lower engines REPLACED.
Replace slew gear oil	NO	
Replace hydraulic breather filters	/	Upper and lower tanks
Replace hydraulic pressure filters	/	Lower (steering) and upper filters



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Replace hydraulic return filters	/	Upper and lower tanks
Replace winch gearbox oil	NO	Main and aux (if required)
Replace transmission / retarder oil and filter	/	
Replace diff/ hub/ transfer case oil	/	REPLACED
Check Wheel nut tension	---	
Adjust valve clearances/ replace gasket	---	Upper and lower engines
Fuel filters-Replace separator and main filter elements	---	Upper and lower engines
Exhaust brake/retarder - check operation	✓	Lower engine
Lube Steering components	✓	
Sample Hydraulic Oil using Kit PP2128300	---	Upper and lower
Check Slew Bolt Tension	---	
Visual Inspection - Boom Weldments	---	
Check Axle Retaining Bolts for tightness	---	
Brakes - Air Dryer - Replace Granulate Cartridge	✓	
Hydraulic System - Hydraulic Tank - Replace Aeration Filter	✓	Upper and Lower

OTHER NOTES:

SLEW & WINCH OILS NEED DOING

Completed by:

MAN LA CC

Name

Mechanic / Fitter

31-5-24

Position

Date

Sheldon V

Name

Position

31-5-24

Date