



Terex AC100/4 Service Schedule

Date: 5-7-2024 Rego: XQ29ED Plant ID: 937

Make	Terex	Model	AC 100-4L
Service Type	1,000hr	Serial No:	10595
Service Hrs.	3,000hr (Lower) <i>2960 Hrs</i>	KM	<i>53307</i>
Next Service	3,250hr	Due (+/- 50Hr. Reading)	

Status type: Satisfactory ✓ Action Required * Not Applicable NA

Description	Status	Action/ Comments
250/750hr Service		
Check Hydraulic Pump PTO, Mounting & Bolts	✓	
Check Transmission Oil Level	✓	
Check Transfer Case Oil Level	✓	
Check Transfer Case Cooler System for Leaks	✓	
Check Retarder Oil Level	✓	
Check ALL Differentials Oil Levels	✓	
Check Planetary Reduction (s) Oil Level	✓	
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	<i>20mm</i>	<i>20mm</i>
Axle 2	<i>20mm</i>	<i>20mm</i>
Axle 3	<i>20mm</i>	<i>20mm</i>
Axle 4	<i>20mm</i>	<i>20mm</i>
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	✓	
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	N/A	
Visually Check Slew Bolts / Gear connections	✓	
Visual check for cracks	✓	
Check Winch Gearbox Oil Level	N/A	Bottom Only
Check Winch Rope Condition & Lubrication	N/A	"
Check Winch Unit Mountings & Bolts	N/A	"
Check Hydraulic Tank Oil Level	✓	Both Upper and Lower
Visual Inspection of ALL Boom Sect. Damage	N/A	Bottom Only
Lube Rear Boom Pivot Bearings	N/A	"
Lube ALL Luff Cyl. Bearings	N/A	"
Top up auto greaser (if fitted)	✓	
Inspect ALL Sheaves on Boom Assy.	N/A	Bottom Only
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	N/A	Bottom Only
Check ALL Wiring for Damage & Correct Routing	✓	
Check Battery Electrolyte Level	✓	
Clean & Check Battery Terminals-Holding Clamp	✓	
Check Brake Expanding Cylinders	✓	
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	N/A	Bottom Service only
Check Hoist Limit Switch Operation	N/A	"
Check all crane functions for correct operation	N/A	"
Lift Test Weight if Available	N/A	"
Check LMI / SLI Operation / Calibration	N/A	"
Anti-Two Block Operational	N/A	"
Boom Length & Angle Indicators	N/A	"
Manual Boom Length & Angle Indicators	N/A	"
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
Lube cab tilt cylinder ends	✓	
Lube house lock pin	✓	
1000hr Service		
Carry Out 250 / 750 Hour Service Schedule	N/A	
Carry Out 500 Hour Service Schedule	N/A	
<i>Add the Following:</i>	N/A	
Replace air filters	N/A	Upper and lower engines
Replace slew gear oil	N/A	
Replace hydraulic breather filters	N/A	Upper and lower tanks
Replace hydraulic pressure filters	N/A	Lower (steering) and upper filters



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Replace hydraulic return filters	✓	Upper and lower tanks
Replace winch gearbox oil		Main and aux (if required)
Replace transmission / retarder oil and filter		
Replace diff/ hub/ transfer case oil		
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	N A	
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
2000hr Service		
Carry Out 250 / 750 Hour Service Schedule		
Carry Out 500 Hour Service Schedule		
Carry out 1000 Hour Service Schedule		
Add the Following:		
Replace transmission / retarder oil and filter		Castrol Syntrans Max
Replace Engine Coolant		
Check Wheel nut tension		
100hr First Service		
Carry Out 250 / 750 Hour Service Schedule		
Carry Out 500 Hour Service Schedule		
Carry Out 1000 Hour Service Schedule	N A	
Add the Following:		
Tighten ALL Hose Clamps		
Check Tension of ALL Engine mounts		
Re-Tension ALL Wheel nuts		
Re-Tension ALL Suspension / Axle Bolts		
Re-Tension All Diff. Carrier Bolts.		
Check & Adjust Axle Alignment to Center		
Tighten ALL Drive Shaft / Jack Shaft Flange Bolts		



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OTHER NOTES:

Completed by:

Luhe Lukavina

Mechanic / Fitter

5-7-2024

Name

Position

Date

Sheldan V

8-7-24

Name

Position

Date

