

**TEREX®**

QF23Q.03

Jun-19

AT-40 Crane Service ScheduleDate: 29-10-25 Job No.: _____ Tech. Name: ChristianSerial No.: 400081 Service Type: 500 HR

Owner's Details: _____

Job Location: _____

Make Of Equipment: TEREX Model: AT 40 Serial No.: 400081

Carrier Engine Make: _____ Model: _____ Serial No.: _____

Registration / Plant No.: XR59WF / 970 Vehicle Kims: 62118 Hours: 6501**Note: ALL items MUST be "Ticked" if carried out / "Crossed" if not carried out / marked "N/A" if not applicable.**

R = Repair C = Completed

R	C	250 / 750 Hour Service Schedule	Comments
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CABIN & CONTROLS

<input checked="" type="checkbox"/>	Check for EMERGENCY Steer Pump Errors	Self Test
<input checked="" type="checkbox"/>	Check Air Conditioning & Condition of Cabin Filter	Clean/replace filter if required
<input checked="" type="checkbox"/>	Check 2/4WD & HI/LO Operation	
<input checked="" type="checkbox"/>	Check Diff Lock Operation	
<input checked="" type="checkbox"/>	Check Holding Brake Operation	
<input checked="" type="checkbox"/>	Check All Emergency Stop Button Operation	
<input checked="" type="checkbox"/>	Check Reversing and Winch Camera Operation	
<input checked="" type="checkbox"/>	Check AM/FM Radio Operation	
<input checked="" type="checkbox"/>	Check Heater Operation	
<input checked="" type="checkbox"/>	Check Wiper Operation	
<input type="checkbox"/>	Refill Windscreen Washer Water & Test Operation	
<input checked="" type="checkbox"/>	Check Front Spring Lockout Operation	200 bar activation pressure
<input checked="" type="checkbox"/>	Check Park Brake Operation	
<input checked="" type="checkbox"/>	Check Foot Valve Operation	
<input checked="" type="checkbox"/>	Check ALL Warning Lights and Buzzers	
<input checked="" type="checkbox"/>	Check ALL Instruments for Operation/Illumination	
<input checked="" type="checkbox"/>	Check Indicators	
<input checked="" type="checkbox"/>	Check Hazard Lights	
<input checked="" type="checkbox"/>	Check Horn(s)	
<input checked="" type="checkbox"/>	Check Hyd. Sys. Base Pressure	Refer Operator Manual for Pressures
<input checked="" type="checkbox"/>	Check Hyd. Sys. Max Pressure	Refer Operator Manual for Pressures
<input checked="" type="checkbox"/>	Check Steer Pressure at Full Lock	Refer Operator Manual for Pressures
<input checked="" type="checkbox"/>	Check Articulation Sensor Operation	
<input checked="" type="checkbox"/>	Check ALL Hydraulics for Correct Operation	
<input checked="" type="checkbox"/>	Check Joystick Operation	
<input checked="" type="checkbox"/>	Check Clearance Lights	
<input checked="" type="checkbox"/>	Check Head Lights HI/LO	
<input checked="" type="checkbox"/>	Check Stop Lights	
<input checked="" type="checkbox"/>	Check Reverse Light(s) & Alarm	
<input checked="" type="checkbox"/>	Check ALL Work Lights	
<input checked="" type="checkbox"/>	Check Low Air Warning Devices	
<input checked="" type="checkbox"/>	Check Rotating Light Operation	
<input checked="" type="checkbox"/>	Check Interior Light Operation	

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R	C	250 / 750 Hour Service Continued	Comments
	✓	Check Cabin for Water Leaks	
	✓	Check Seat Mounting & Operation	
	✓	Check Seat Belt Condition & Operation	
	✓	Check Door Locks & Catches for Operation	

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	Check for tightness, cracking/splitting
	✓	Tighten Intake Hose Clamps	
	✓	Check Fan 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	
	✓	Check Oil Service Condition Through Gear Selector Pad	Replace oil and filter if lower than 30% <i>0%</i>
	✓	Check Filter Service Condition Through Gear Selector Pad	Replace oil and filter if display is reading (LO)

DRIVE TRAIN & TRANSFER CASE

✓	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 All Differentials Oil Level					
✓	Check Susp Cylinder - Condition / Leaks / Positions					
✓	Check Suspension Cylinder Pivots					
✓	Check All Suspension Components - wear / tightness					
✓	Check All Steering Components - wear / tightness / hoses					
✓	Check centre bearing and housing; Jack Shaft & Front Shaft					
✓	Check ALL Drive / PTO / Jack Shaft Universal Joints					
✓	Lube ALL Universal Joints on Drive Line / PTO Shaft					
✓	Check Wheel Bearing Play					
✓	Check Brake Lining Thickness / Wear - record thickness	Minimum Thickness = 2 mm				
✓	Check brake rotor thickness	Minimum Thickness = 37 mm				
	L/H lining outer	inner	R/H lining inner	outer	L/H rotor	R/H rotor
	Axle 1				✓	✓
	Axle 2		4.5mm	4.5mm	✓	✓
	Axle 3		5mm	5mm	✓	✓
✓	Drain ALL Air Tanks of Water / Sediments					
✓	Check ALL Steering Pins / Bearings for Wear					
✓	Lube ALL Steering Pins / Bearings				Use SBX2 Grease	
✓	Tighten Steering Pin Bolts				Torque setting 420Nm/310lb.ft	
✓	Check Service Brake Operation					
✓	Check Brake Expanding Cylinders					

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R	C	250 / 750 Hour Service Continued	Comments
	✓	Check Low Air Warning Devices	
	✓	Lube Suspension Cylinder Bearings	Use SBX2 Grease
	✓	Check All Covers, Panels for Security	
	✓	Inspect steering hoses	As per Service bulletin SB0069
	✓	Inspect steering cylinders	

BOOM ASSEMBLY

	✓	Adjust ALL Retract & Extension Ropes/Chains	Refer Operator's Manual for Spec.
	✓	Check 2 nd Extension Cylinder Anchor Pins	
	✓	Re-tension Tele Secondary Cylinder Hoses	Refer Service Bulletin EAF SA 19 001
	✓	Retension internal secondary cylinder hose fittings	
	✓	Check Winch Gearbox Oil Level	
	✓	Check Winch Rope Condition & Lubrication	
	✓	Check Winch Unit Mountings & Bolts & Mounting Hinge	
	✓	Visual Inspection of ALL Boom Sect. Damage/Bend	
	✓	Lube All Boom Sections, Sheaves & Wear Pads	
	✓	Inspect Compensating Sheave Bearings	
	✓	Inspect ALL Sheaves on Boom Assy.	
	✓	Check Boom Rear Pivot Pins/Bearings for Movement	Adjust if required
	✓	Lube Rear Boom Pivot Bearings	Use SBX2 Grease
	✓	Check Luff Cyl. Top/Bott Pins & Bearings Movement	
	✓	Lube ALL Luff Cyl. Bearings	Use SBX2 Grease
	✓	Inspect retract assemble & wear pads	remove top inspection hatch cover
	✓	Inspect front side wear pad adjustment & fasteners	

CHASSIS & FINAL CHECKS

	✓	Check Center Pivot Bearings/Pins for Movement	Refer Service Bulletin SB0105, drawing T151816
	✓	Check counter weight pins/circlips for correct fitment	
	✓	Lube Centre Pivot Bearings ALL Points	Use SBX2 Grease
	✓	Check Hydraulic Reservoir Oil Level	Boom Closed Up (Lowered & Retracted)
	✓	Check Hydraulic Oil Level Sensor Operation	Refer to manual for spec. service
	✓	Check Central Lubrication System	
	✓	Check Hoist Limit Switch	
	✓	Check Lower Limit Switch	
	✓	Check ALL Hydraulic Cyl's for Damage/Leaks	
	✓	Check ALL Hydraulic Hoses for Damage/Leaks	Pitted spiral wrap to hoses rubbing
	✓	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	120psi Front & Back
	✓	Carry Out FULL Function/Operate Test Drive	
	✓	Transmission Pre-select Downshift to 3rd	
	✓	Check Exhaust Brake Operation	
	✓	Lift Test Weight if Available	
	✓	Check LMI Calibration	
	✓	Re-Tension ALL Wheel nuts	Refer Operators Manual for Tension Settings
	✓	Top up auto greaser	Use SBX2 Grease

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R	C	500 Hour Service Schedule	Comments
	<input checked="" type="checkbox"/>	Carry Out 250 Hour Service Schedule	
		Add the Following:	
	<input checked="" type="checkbox"/>	Change Engine Oil Filter	
	<input checked="" type="checkbox"/>	Change Engine Oil	
	<input checked="" type="checkbox"/>	Change Hydraulic Oil Return Filter	
	<input checked="" type="checkbox"/>	Change Transfer Case Oil	
	<input checked="" type="checkbox"/>	Change All Differential Oil	
	<input checked="" type="checkbox"/>	Change All Planetary Reduction(s) Oil	
	<input checked="" type="checkbox"/>	Adjust Rear Boom Pivot Bearings	
	<input checked="" type="checkbox"/>	Change Winch Gearbox Oil	
	<input checked="" type="checkbox"/>	Brakes - Air Dryer - Replace Granulate Cartridge	NOT Applicable on 100 Hour Service

R	C	1000 Hour Service Schedule	Comments
		Carry Out 250 / 750 Hour Service Schedule	
		Carry Out 500 Hour Service Schedule	
		Add the Following:	
	<input checked="" type="checkbox"/>	Change Primary (Outer) Air Filter Element	NOT Applicable on 100 Hour Service
	<input checked="" type="checkbox"/>	Change Safety (Inner) Air Filter Element	NOT Applicable on 100 Hour Service
	<input checked="" type="checkbox"/>	Replace Fuel Filter Element	
	<input checked="" type="checkbox"/>	Replace Fuel Pre-filter Element	
	<input checked="" type="checkbox"/>	Adjust Valve Clearances	
	<input checked="" type="checkbox"/>	Change Cylinder Head Valve Cover Gasket	Refer to Service Manual for Spec.
	<input checked="" type="checkbox"/>	Check & Clean Engine Breather	
	<input checked="" type="checkbox"/>	Sample Hydraulic Oil using Kit PP2128300	
	<input checked="" type="checkbox"/>	Change Auto Transmission Oil and filters	At 1000hrs or when instructed by oil/filter life monitor if sooner,
			Not applicable on 100 Hour Service. Not applicable to transmissions filled with synthetic oil.

R	C	2000 Hour Service Schedule	Comments
		Carry Out 250 / 750 Hour Service Schedule	
		Carry Out 500 Hour Service Schedule	
		Carry Out 1000 Hour Service Schedule	
		Add the Following:	
	<input checked="" type="checkbox"/>	Change Engine Coolant	
	<input checked="" type="checkbox"/>	Check Wear Pad "Clearance" & Boom Alignment	If Wear is Out Limits Strip & Remove ALL Pads
	<input checked="" type="checkbox"/>	Check Steering Accumulator Charge Pressure	50 Bar
	<input checked="" type="checkbox"/>	Check Front Suspension Accumulators Charge Pressure	50 Bar
	<input checked="" type="checkbox"/>	Check Rear Suspension Accumulators Charge Pressure	70 Bar

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R	C	100 Hour First Service Schedule	Comments
		Carry Out 250 / 750 Hour Service Schedule	
		Carry Out 500 Hour Service Schedule	
		Carry Out 1000 Hour Service Schedule	
		<i>Add the Following:</i>	
		Tighten ALL Hose Clamps	
		Check Tension of ALL Engine mounts	Refer Parts Manual for Tension Settings
		Re-Tension ALL & Suspension Bolts	Refer Operators Manual for Tension Settings
		Re-Tension Centre Pivot Pins - Upper/Lower	Refer Operators Manual for Tension Settings
		Check & Adjust All Axle Alignment to Centre	Refer to Service Manual
		Tighten ALL Drive Shaft / Jack Shaft Flange Bolts	

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R	C	Additional Faults Identified:
	1	Monitor - Rear brake pads 4-5mm
	2	
	3	Broken exhaust manifold bolt
	4	
	5	Fitted spiral wrap to hydraulic hoses
	6	rubbing on guards + bracing
	7	
	8	found small amount of coolant on
	9	outside of heater hoses under drivers
	10	cab
	11	
	12	Small hydraulic oil leak at winch
	13	motor - Cleaned area + tightened fittings
	14	Monitor
	15	
	16	2nd axle tyre getting low on tread.
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	18	Trans service
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R = Repair C = Completed

R	C	Additional Faults Identified Continued:
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Service carried out by:

Christian C

Signature:

[Signature]

Service carried out by:

Sheldan V

Signature:

[Signature]

