

**TEREX®**

QF23Q.03

Jun-19

AT-40 Crane Service ScheduleDate: 8-3-24 Job No.: _____ Tech. Name: Christian. CSerial No.: 400049 Service Type: 1000HR

Owner's Details: _____

Job Location: _____

Make Of Equipment: TEREX Model: AT40 Serial No.: 400049

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

Registration / Plant No.: XQ 77KE Vehicle Kms: 37081 Hours: 3974**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 checked="" 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	

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 Continued	Comments
	<input checked="" type="checkbox"/>	Check Cabin for Water Leaks	
	<input checked="" type="checkbox"/>	Check Seat Mounting & Operation	
	<input checked="" type="checkbox"/>	Check Seat Belt Condition & Operation	
	<input checked="" type="checkbox"/>	Check Door Locks & Catches for Operation	

ENGINE BAY & TRANSMISSION

	<input checked="" type="checkbox"/>	Clean or Replace Air Filter (Outer Element Only)	
	<input checked="" type="checkbox"/>	Visual Inspect Radiator Screen & Cooler Cores for Blockage	
	<input checked="" type="checkbox"/>	Check Coolant & Inhibitor Level / Concentration	
	<input checked="" type="checkbox"/>	Check ALL Coolant / Heater System Hoses	
	<input checked="" type="checkbox"/>	Visual Inspect Air Intake Pipes & Hoses	Check for tightness, cracking/splitting
	<input checked="" type="checkbox"/>	Tighten Intake Hose Clamps	
	<input checked="" type="checkbox"/>	Check Fan Coupling	
	<input checked="" type="checkbox"/>	Check Alternator & A/C Compressor Mount/Bolts	
	<input checked="" type="checkbox"/>	Check Engine Drive Belt	
	<input checked="" type="checkbox"/>	Check Engine Oil Level	
	<input checked="" type="checkbox"/>	Check Engine, Lines & Hoses for Abrasion & Position	
	<input checked="" type="checkbox"/>	Check Engine Piping for Leaks	
	<input checked="" type="checkbox"/>	Visual Inspect Engine Mount(s) Condition	
	<input checked="" type="checkbox"/>	Check for Fuel Leaks ALL Points	
	<input checked="" type="checkbox"/>	Check for Oil Leaks in Engine Area	
	<input checked="" type="checkbox"/>	Check Hydraulic Pump PTO, Mounting & Bolts	
	<input checked="" type="checkbox"/>	Check Transmission Oil Level	
	<input checked="" type="checkbox"/>	Check Oil Service Condition Through Gear Selector Pad	Replace oil and filter if lower than 30% <i>35%</i>
	<input checked="" type="checkbox"/>	Check Filter Service Condition Through Gear Selector Pad	Replace oil and filter if display is reading (LO)

DRIVE TRAIN & TRANSFER CASE

DRIVE TRAIN & TRANSFER CASE

<input checked="" type="checkbox"/>	Check Planetary Reduction (s) Oil Level					
<input checked="" type="checkbox"/>	Check Transfer Case Oil Level	Run at 1000 rpm for 1 min, then check immediately				
<input checked="" type="checkbox"/>	Check Transfer Case Cooler System for Flow & Leaks					
<input checked="" type="checkbox"/>	Check All Differentials Oil Level					
<input checked="" type="checkbox"/>	Check Susp Cylinder - Condition / Leaks / Positions					
<input checked="" type="checkbox"/>	Check Suspension Cylinder Pivots					
<input checked="" type="checkbox"/>	Check All Suspension Components - wear / tightness					
<input checked="" type="checkbox"/>	Check All Steering Components - wear / tightness / hoses					
<input checked="" type="checkbox"/>	Check centre bearing and housing; Jack Shaft & Front Shaft					
<input checked="" type="checkbox"/>	Check ALL Drive / PTO / Jack Shaft Universal Joints					
<input checked="" type="checkbox"/>	Lube ALL Universal Joints on Drive Line / PTO Shaft					
<input checked="" type="checkbox"/>	Check Wheel Bearing Play					
<input checked="" type="checkbox"/>	Check Brake Lining Thickness / Wear - record thickness	Minimum Thickness = 2 mm				
<input checked="" type="checkbox"/>	Check brake rotor thickness	Minimum Thickness = 37 mm				
	L/H lining outer	inner	R/H lining inner	outer	L/H rotor	R/H rotor
<input checked="" type="checkbox"/>	Axle 1					
<input checked="" type="checkbox"/>	Axle 2					
<input checked="" type="checkbox"/>	Axle 3					
<input checked="" type="checkbox"/>	Drain ALL Air Tanks of Water / Sediments					
<input checked="" type="checkbox"/>	Check ALL Steering Pins / Bearings for Wear					
<input checked="" type="checkbox"/>	Lube ALL Steering Pins / Bearings				Use SBX2 Grease	
<input checked="" type="checkbox"/>	Tighten Steering Pin Bolts				Torque setting 420Nm/310lb.ft	
<input checked="" type="checkbox"/>	Check Service Brake Operation					
<input checked="" type="checkbox"/>	Check Brake Expanding Cylinders					

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R = Repair C = Completed

R	C	250 / 750 Hour Service Continued	Comments
	<input checked="" type="checkbox"/>	Check Low Air Warning Devices	
	<input checked="" type="checkbox"/>	Lube Suspension Cylinder Bearings	Use SBX2 Grease
	<input checked="" type="checkbox"/>	Check All Covers, Panels for Security	
	<input checked="" type="checkbox"/>	Inspect steering hoses	As per Service bulletin SB0069
	<input checked="" type="checkbox"/>	Inspect steering cylinders	

BOOM ASSEMBLY

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

CHASSIS & FINAL CHECKS

	<input checked="" type="checkbox"/>	Check Center Pivot Bearings/Pins for Movement	Refer Service Bulletin SB0105, drawing T151816
	<input checked="" type="checkbox"/>	Check counter weight pins/circlips for correct fitment	
	<input checked="" type="checkbox"/>	Lube Centre Pivot Bearings ALL Points	Use SBX2 Grease
	<input checked="" type="checkbox"/>	Check Hydraulic Reservoir Oil Level	Boom Closed Up (Lowered & Retracted)
	<input checked="" type="checkbox"/>	Check Hydraulic Oil Level Sensor Operation	Refer to manual for spec. service
	<input checked="" type="checkbox"/>	Check Central Lubrication System	
	<input checked="" type="checkbox"/>	Check Hoist Limit Switch	
	<input checked="" type="checkbox"/>	Check Lower Limit Switch	
	<input checked="" type="checkbox"/>	Check ALL Hydraulic Cyl's for Damage/Leaks	
	<input checked="" type="checkbox"/>	Check ALL Hydraulic Hoses for Damage/Leaks	
	<input checked="" type="checkbox"/>	Check ALL Wiring for Damage & Correct Routing	
	<input checked="" type="checkbox"/>	Check for Air Leaks ALL Points	
	<input checked="" type="checkbox"/>	Check Battery Electrolyte Level	
	<input checked="" type="checkbox"/>	Clean & Check Battery Terminals-Holding Clamp	
	<input checked="" type="checkbox"/>	Check Tyre Pressures & Tyre Condition	120psi Front & Back
	<input checked="" type="checkbox"/>	Carry Out FULL Function/Operate Test Drive	
	<input checked="" type="checkbox"/>	Transmission Pre-select Downshift to 3rd	
	<input checked="" type="checkbox"/>	Check Exhaust Brake Operation	
	<input checked="" type="checkbox"/>	Lift Test Weight if Available	
	<input checked="" type="checkbox"/>	Check LMI Calibration	
	<input checked="" type="checkbox"/>	Re-Tension ALL Wheel nuts	Refer Operators Manual for Tension Settings
	<input checked="" type="checkbox"/>	Top up auto greaser	Use SBX2 Grease

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R = Repair C = Completed

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
	<input checked="" type="checkbox"/>	Carry Out 250 / 750 Hour Service Schedule	
	<input checked="" type="checkbox"/>	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
	<input checked="" type="checkbox"/>	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
		Check Steering Accumulator Charge Pressure	50 Bar
		Check Front Suspension Accumulators Charge Pressure	50 Bar
		Check Rear Suspension Accumulators Charge Pressure	70 Bar

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R = Repair C = Completed

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 = Repair

C = Completed

R C		Additional Faults Identified:
		1
		2 Radiator hose from top tank to water
		3 pump needs replacing
		4
		5 Tensioner pulley needs replacing due
		6 to scratch marks and damaging drive
		7 belt
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R = Repair C = Completed

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

Chiotran C.

Signature:

[Signature]

Service carried out by:

S. V. O.

Signature:

Sheldon 8.3.24

