

**TEREX®**

970

QF23Q.03

Jun-19

AT-40 Crane Service Schedule

Date: 9-9-25 Job No.: _____ Tech. Name: MAT R
 Serial No.: 400061 Service Type: 250H

Owner's Details: _____

Job Location: _____

Make Of Equipment: AT40 Model: _____ Serial No.: _____

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

Registration / Plant No.: 970 Vehicle Kms: 60'242 Hours: 6233

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
CABIN & CONTROLS			
☒		Check for EMERGENCY Steer Pump Errors	Self Test
☒		Check Air Conditioning & Condition of Cabin Filter	Clean/replace filter if required
☒		Check 2/4WD & HI/LO Operation	
☒		Check Diff Lock Operation	
☒		Check Holding Brake Operation	
☒		Check All 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	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	
☒		Check Hazard Lights	
☒		Check Horn(s)	
☒		Check Hyd. Sys. Base Pressure	Refer Operator Manual for Pressures
☒		Check Hyd. Sys. Max Pressure	Refer Operator Manual for Pressures
☒		Check Steer Pressure at Full Lock	Refer Operator Manual for Pressures
☒		Check Articulation Sensor Operation	
☒		Check ALL Hydraulics for Correct Operation	
☒		Check Joystick Operation	
☒		Check Clearance Lights	
☒		Check Head Lights HI/LO	
☒		Check Stop Lights	
☒		Check Reverse Light(s) & Alarm	
☒		Check ALL Work Lights	
☒		Check Low Air Warning Devices	
☒		Check Rotating Light Operation	
☒		Check Interior Light Operation	

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R = Repair C = Completed

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% 39%
	/	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					
		Axle 3					
	/	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" 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	
		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
		Carry Out 250 Hour Service Schedule	
		Add the Following:	
		Change Engine Oil Filter	
		Change Engine Oil	
		Change Hydraulic Oil Return Filter	
		Change Transfer Case Oil	
		Change All Differential Oil	
		Change All Planetary Reduction(s) Oil	
		Adjust Rear Boom Pivot Bearings	
		Change Winch Gearbox Oil	
		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:	
		Change Primary (Outer) Air Filter Element	NOT Applicable on 100 Hour Service
		Change Safety (Inner) Air Filter Element	NOT Applicable on 100 Hour Service
		Replace Fuel Filter Element	
		Replace Fuel Pre-filter Element	
		Adjust Valve Clearances	
		Change Cylinder Head Valve Cover Gasket	Refer to Service Manual for Spec.
		Check & Clean Engine Breather	
		Sample Hydraulic Oil using Kit PP2128300	
		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:	
		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	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	
		Add the Following:	
		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:
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R	C	Additional Faults Identified Continued:	
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Service carried out by:

MAIL 9-9-25

Signature:



Service carried out by:

Sheldu 10-9

Signature:

