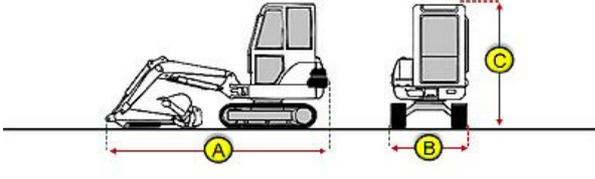


## Inspection Report (Mini Excavator)

### General Info

Year	2015
Make	Bobcat
Model	E45 Mini Excavator
Serial Number	AG3G14390
Hour Meter Reading	2,602 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	Asphalt Paving Construction

### Dimensions

Measurement Guide	
A. Length (ft and inches)	17'7"
B. Width (ft and inches)	6'5"
C. Height (ft and inches)	8'4"
Operational Weight (lbs)	10,216LBS.

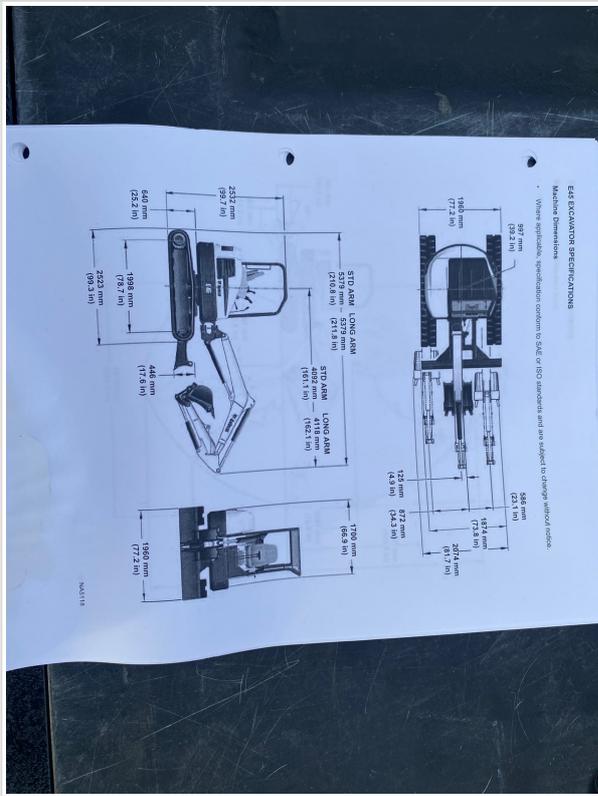
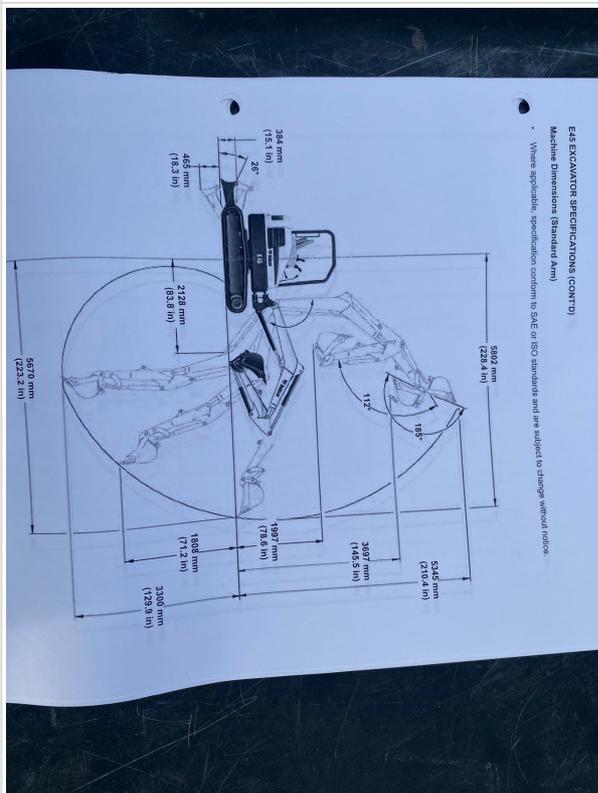
### Features and Configuration

Control Station Type	Canopy
Bucket	No
Blade	Yes
Additional Attachment(s)	No
Hydraulic Coupler	No
Auxiliary Hydraulics	Yes
Hydraulic Thumb	No
Heat	No
A/C	No
Radio	No
Backup Camera	No
OMM (Operator & Maintenance Manual)	Yes
Telematics	No

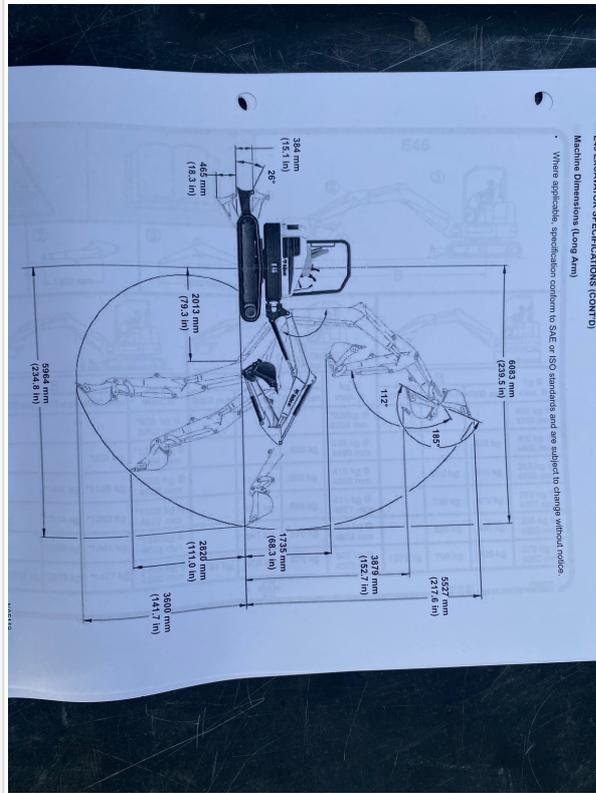
### OMM Specifications

### OMM Specifications

## Inspection Report (Mini Excavator)

<b>Detail Specifications</b>	Take photos of the detailed spec pages included in the operator's manual
<b>OMM Spec Photos</b>	 <p><b>E43 EXCAVATOR SPECIFICATIONS</b> Machine Dimensions</p> <p>Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.</p> <p>1980 mm (77.2 in) 135 mm (5.3 in) 498 mm (19.6 in) 1474 mm (58.0 in) 2014 mm (79.3 in) 125 mm (4.9 in) 872 mm (34.3 in)</p> <p>579 mm (22.8 in) 579 mm (22.8 in) 579 mm (22.8 in) 579 mm (22.8 in) 1988 mm (78.3 in) 2523 mm (99.3 in) 448 mm (17.6 in) 790 mm (31.1 in) 1960 mm (77.2 in)</p> <p>STD ARM LONG ARM STD ARM LONG ARM STD ARM LONG ARM</p>
	 <p><b>E46 EXCAVATOR SPECIFICATIONS (CONT'D)</b> Machine Dimensions (Standard Arm)</p> <p>Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.</p> <p>5889 mm (231.4 in) 5545 mm (218.4 in) 3897 mm (153.4 in) 1997 mm (78.6 in) 1808 mm (71.2 in) 3300 mm (129.9 in) 2128 mm (83.8 in) 462 mm (18.3 in) 384 mm (15.1 in) 28°</p>

## Inspection Report (Mini Excavator)



**E45 EXCAVATOR SPECIFICATIONS (CONT'D)**  
 Rated Lift Capacity (Standard Arm)

A	B		B		B		B	
	2000 mm	3000 mm	4000 mm	2000 mm	3000 mm	4000 mm	2000 mm	3000 mm
4000 mm			923 kg	kg @ max. B	926 kg @ 3703 mm	926 kg @ 3703 mm	529 kg	602 kg @ 403 kg @ 3703 mm
3000 mm			1000 kg @ 4489 mm	1108 kg	683 kg	411 kg @ 415 kg @ 4889 mm	510 kg	313 kg @ 4889 mm
2000 mm			1442 kg	1138 kg	650 kg	411 kg @ 415 kg @ 4889 mm	472 kg	283 kg @ 4889 mm
1000 mm			2114 kg	1383 kg	971 kg	497 kg @ 497 mm	738 kg	497 kg @ 4889 mm
Ground			2389 kg	1541 kg	891 kg	419 kg @ 425 mm	695 kg	489 kg @ 4889 mm
-1000 mm			3738 kg	2279 kg	1477 kg	1924 kg	1371 kg	428 kg

kg @ max. B

718435HUS-A



Inspection Report (Mini Excavator)

E45 EXCAVATOR SPECIFICATIONS (CONT'D)		E45 EXCAVATOR SPECIFICATIONS (CONT'D)	
Performance		Rated Lift Capacity (Long Arm)	
E45	Operating weight (cab w/ heater, rubber tracks, and 50 mm (2 in) bucket) if equipped with the following: add	4653 kg (10216 lb) Standard Arm: 4134 kg (9129 lb) Cab w/ H/A/C, add 211 kg (463 lb) Long Arm (with additional counterweight), add 216 kg (476 lb) Additional Counterweight 204 kg (450 lb); 2.4 kPa (1.5 mpa / 2.5 mpa)	
Travel Speed (Low / High)		2.4 kPa (1.5 mpa / 2.5 mpa)	
Dewater Pail		40247 N (9093 lb)	
Digging Force (per ISO 6015) With Standard Arm		Arm - 25700 N (5775 lb) Bucket - 35800 N (8048 lb)	
With Long Arm		Arm - 23700 N (5328 lb) Bucket - 35800 N (8048 lb)	
Boom Swing		Left 75° Right 50°	
<b>Controls</b>			
Steering Hydraulics	Two hand operated levers (optional foot pedals)		
Blade	Hand lever		
Two Speed Boom Switch	Switch on blade lever		
Auxiliary Hydraulics	Electric switch in left joystick		
Auxiliary Pressure Release	Electric switch in right joystick		
Engine Starting Aid	Engine speed control dial with auto idle feature, key type start switch		
Brakes	Hydraulic lock on motor		
Travel Lock & Parking Swing Service Holding	Spring applied - hydraulic release		



## Inspection Report (Mini Excavator)

<b>Instructions</b>	<p>Take photos of the exterior of the piece of equipment. Capture a full 360 degree walk around and all major components.</p> <p>Must have shots to capture:</p> <ul style="list-style-type: none"> <li>- Front</li> <li>- 45 degree corner shot of left front</li> <li>- 45 degree corner shot of right front</li> <li>- Left side</li> <li>- Right side</li> <li>- Rear</li> <li>- 45 degree corner shot of left rear</li> <li>- 45 degree corner shot of right rear</li> </ul> <p>Tips for good photos:</p> <ul style="list-style-type: none"> <li>- Move the equipment into a open area without any visual distractions or other equipment in the background</li> </ul>
<b>Exterior Walkaround Photos</b>	
	

Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)



### General Appearance Inspection Points

#### General Appearance

### Inspection Report (Mini Excavator)

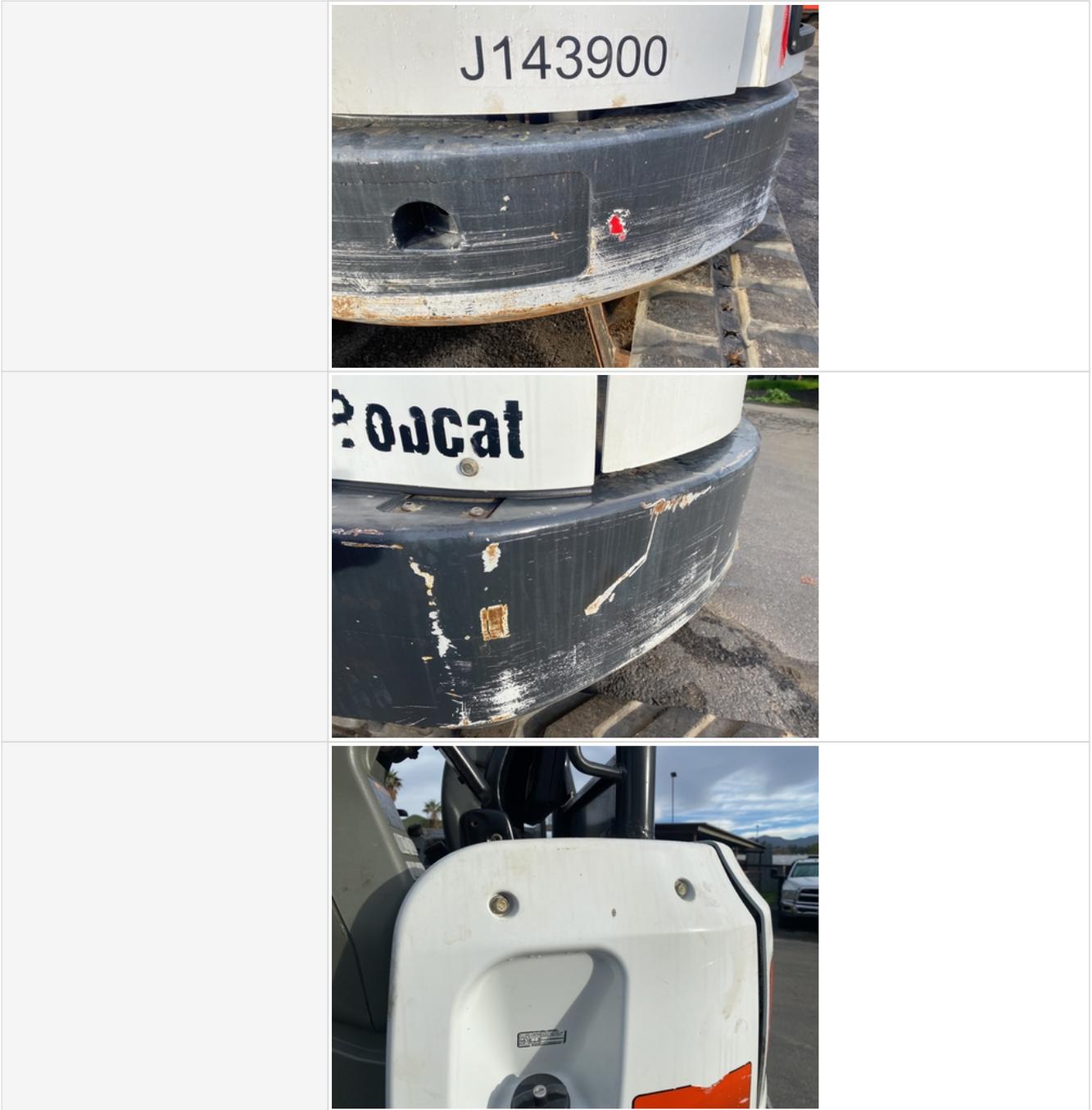
Close-up Exterior Photos



Inspection Report (Mini Excavator)



Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)

	
	
	
<b>Body Panels</b>	3 - Normal Wear & Tear
<b>Body Panel Condition</b>	Other (see comments), Some panel misalignment observed
<b>Comments</b>	R/S bottom panel dented, slightly misaligned

## Inspection Report (Mini Excavator)

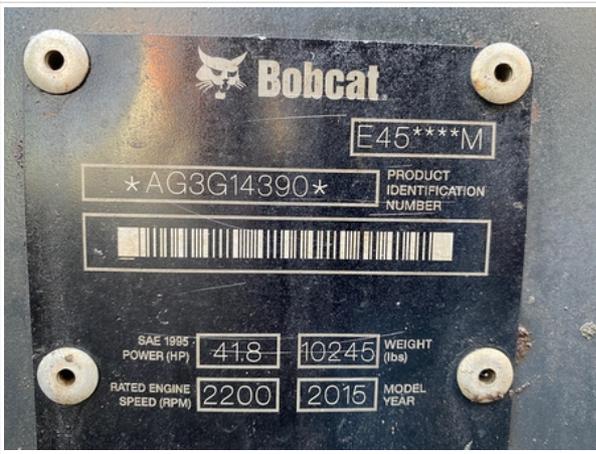
Body Panels Photos	
Doors / Canopy Latches	3 - Normal Wear & Tear
Doors / Canopy Latches Condition	No visible damage
Steps / Ladders	0
Handrails	3 - Normal Wear & Tear
Handrails Condition	Handrails are fully intact and appear structurally sound
Glass	0
Mirrors	0
Exterior Lights	3 - Normal Wear & Tear
Exterior Lights Condition	No visible damage, lighting system is operational, Other (see comments)
Exterior Lights Photos	

## Inspection Report (Mini Excavator)



### Control Station Inspection Points

#### Control Station

<b>Control Station</b>	Take close-up photos of operator control station or cab including the floors, panels, headliner, seat, controls & displays, gauges & meters, and interior lights. Note any damage or wear.
<b>Serial Number Plate Photo</b>	
<b>Operator Cabin Photos</b>	

Inspection Report (Mini Excavator)



Inspection Report (Mini Excavator)



Inspection Report (Mini Excavator)



Inspection Report (Mini Excavator)



Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)

	
Operator Cabin Overall	3 - Normal Wear & Tear
Operator Cabin Overall Condition	Good cabin appearance, solid floors, panels, and ceiling
Operator Seat	3 - Normal Wear & Tear
Operator Seat Condition	Seat(s) in good condition, no stains or tears in upholstery
Operator Seat Photos	
Cabin Lights	0
Safety Lock Out / Stop	1 - Service Required
Safety Lock Out / Stop Condition	Improper/insufficient safety lock out device is supplied for the machine, Other (see comments)

## Inspection Report (Mini Excavator)

<b>Comments</b>	Machine starts with hydraulic lock ON (handle down)(SAFETY ISSUE)
<b>Safety Lock Out / Stop Photos</b>	
	
<b>Controls &amp; Switches</b>	3 - Normal Wear & Tear
<b>Controls &amp; Switches Condition</b>	All switches are installed and functional
<b>Controls &amp; Switches Photos</b>	

Inspection Report (Mini Excavator)



## Inspection Report (Mini Excavator)

	
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
Hour Meter Activity Photos	
Other Gauge Activity	3 - Normal Wear & Tear
Other Gauge Condition	All cockpit gauges are functional and in good condition
Heater & A/C	0
Travel Alarm	3 - Normal Wear & Tear
Travel Alarm Condition	Travel alarm is installed and functioning as expected
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	0

## Engine Inspection Points

### Engine

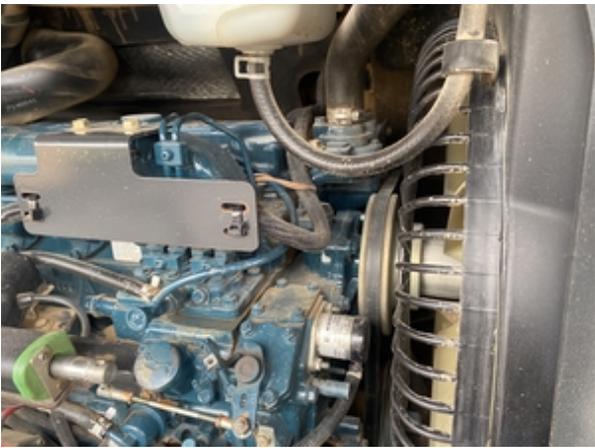
Engine Type (Make, Model, Cylinders, Hp)	Kubota - 4CYL. - 2.4L - 42HP
Emissions Tier	Tier 4F
Engine Serial Number	7FC6596
Engine Fuel Type	Diesel

### Inspection Report (Mini Excavator)

Engine Photos



### Inspection Report (Mini Excavator)

		
		
		
<b>Blow-by (Visual Observation Check)</b>	No	
<b>Unusual Noises (Upon Start-up, Idle, Shutdown)</b>	No	
<b>Unusual Noise Notes</b>	No unusual noises heard	
<b>Engine Smoke (Upon Start-up, Idle, Shutdown)</b>	Yes	
<b>Engine Smoke Notes</b>	Engine smoke observed upon start up, Other (see comments)	

## Inspection Report (Mini Excavator)

<b>Comments</b>	Engine smoke observed at initial start up and cleared up after 30 seconds. Afterwards, engine did not smoke after being shut off and restarted.
<b>Engine Exhaust Color</b>	White
<b>Battery</b>	3 - Normal Wear & Tear
<b>Battery Condition</b>	Clean & dry appearance, tight connections
<b>Battery Condition Photos</b>	
<b>Radiator</b>	3 - Normal Wear & Tear
<b>Radiator Condition</b>	Radiator fins & components appear to be in good working order, no signs of damage or leaks
<b>Radiator Photos</b>	
	

## Inspection Report (Mini Excavator)

	
<b>Belts</b>	3 - Normal Wear & Tear
<b>Belt Condition</b>	Belts appear in good condition & alignment with proper tension
<b>Belt Photos</b>	
<b>Hoses</b>	3 - Normal Wear & Tear
<b>Hose Condition</b>	Firm, pliant hoses with no signs of wear or leaks
<b>Water Pump</b>	3 - Normal Wear & Tear
<b>Water Pump Condition</b>	No unusual pump noises heard
<b>Cooling System Leaks</b>	No
<b>Coolant Color / Appearance</b>	3 - Normal Wear & Tear
<b>Coolant Color/Appearance Notes</b>	Normal Translucent appearance, no visual signs of contamination
<b>Oil Leaks</b>	No
<b>Oil Color / Appearance</b>	3 - Normal Wear & Tear
<b>Oil Color / Appearance Notes</b>	Clean oil appearance, no signs of cross contamination, Appropriate oil level
<b>Fuel Leaks</b>	No
<b>Equipped with DPF (Diesel Particulate Filter)</b>	No
<b>Requires DEF (Diesel Exhaust Fluid)</b>	No

## Inspection Report (Mini Excavator)

Overall Engine Appearance	Clean & dry
Overall Engine Comments	<p>Overall Engine shows a well maintained appearance. Runs well under load and sounds healthy. No active leaks observed.</p> <p>ENGINE RUNNING HIGHER THAN NORMAL AT IDLE (Engine Currently Running @1700rpm at idle)</p>

## Drivetrain Inspection Points

### Drivetrain

Drivetrain	Take close-up photos of the drivetrain components including transmission housing, drive shaft, drive motors, fittings, and hoses. Note any damage or wear.
Drivetrain Photos	
	
	

### Inspection Report (Mini Excavator)

	
	
Hydrostatic Transmission?	Yes
2 Speed?	Yes
Hydrostatic Drive Configuration	Split Transmission
Drive Motors	2 - Above Average Wear
Comments	Left side reverse function slower than right side (verified with cycle times)
Hydrostatic Parking Brake	3 - Normal Wear & Tear
Hydrostatic Parking Brake Condition	Good brake function
Overall Drivetrain Comments	Overall drivetrain in good condition besides left side track motor noticeably slower travel speed than right side.

### Chassis Inspection Points

Boom Condition	3 - Normal Wear & Tear
----------------	------------------------

### Inspection Report (Mini Excavator)

<p>Boom Photos</p>		
		
		

Inspection Report (Mini Excavator)

	
	
	
<p>Stick Condition</p>	<p>3 - Normal Wear &amp; Tear</p>

### Inspection Report (Mini Excavator)

Stick Photos



**Inspection Report (Mini Excavator)**



**Boom Base Pin & Bushings**

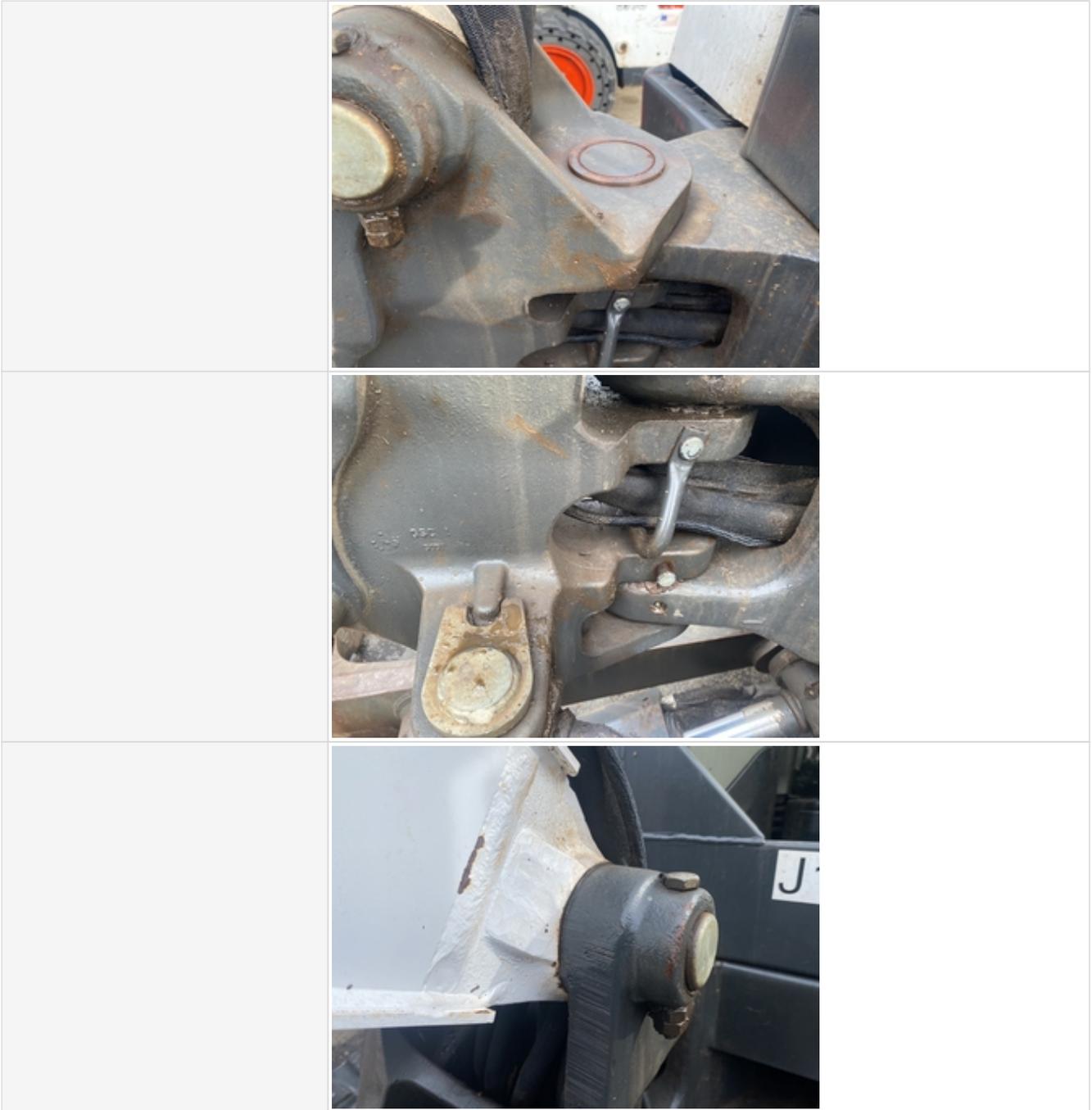
3 - Normal Wear & Tear

### Inspection Report (Mini Excavator)

Boom Base Pin & Bushings  
Photos



Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)

		
<p><b>Boom to Stick Pin &amp; Bushings</b></p>	<p>3 - Normal Wear &amp; Tear</p>	
<p><b>Boom to Stick Pin &amp; Bushings Photos</b></p>		
		

**Inspection Report (Mini Excavator)**

		
		
<p><b>Stick to Bucket Pin &amp; Bushings</b></p>	<p>3 - Normal Wear &amp; Tear</p>	
<p><b>Stick to Bucket Pin &amp; Bushings Photos</b></p>		

Inspection Report (Mini Excavator)



## Inspection Report (Mini Excavator)

		
Turntable Bearing	3 - Normal Wear & Tear	
Turntable Bearing Photos		
		
Bottom Covers	0	
Overall Chassis	3 - Normal Wear & Tear	
Overall Chassis Comments	Overall chassis in solid condition with no obvious issues observed.	

## Undercarriage Inspection Points

### Rubber Track Undercarriage

Roller Frames	3 - Normal Wear & Tear
---------------	------------------------

### Inspection Report (Mini Excavator)

Roller Frames Photos



Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)

		
<b>Track Belt</b>	3 - Normal Wear & Tear	
<b>Comments</b>	2 different styles, both above 70% tread left	
<b>Track Belt Photos</b>		
		

**Inspection Report (Mini Excavator)**



**Rubber Belt Drive Lugs**

3 - Normal Wear & Tear

## Inspection Report (Mini Excavator)

<b>Rubber Belt Drive Lugs Photos</b>	
	
<b>Track Tensioners</b>	2 - Above Average Wear
<b>Comments</b>	R/S track loose (should be checked to see if it adjust and holds tension )
<b>Front Idlers</b>	3 - Normal Wear & Tear
<b>Front Idlers Photos</b>	

### Inspection Report (Mini Excavator)

	
	
	
<b>Rear Idlers</b>	0
<b>Track Rollers</b>	3 - Normal Wear & Tear

### Inspection Report (Mini Excavator)

Track Rollers Photos



## Inspection Report (Mini Excavator)

	
<b>Sprockets</b>	3 - Normal Wear & Tear
<b>Sprockets Photos</b>	
	

### Hydraulics Overall Inspection Points

#### Hydraulics Overall

<b>Hydraulic System</b>	Take close-up photos of the hydraulic components including the pump, lines, fittings, controls, and levers. Note any damage, wear, or leaks.
-------------------------	--

## Inspection Report (Mini Excavator)

Hydraulic System Photos



### Inspection Report (Mini Excavator)

		
		
<b>Wet or Damp Hydraulic Lines / Fittings</b>	No	
<b>Appearance of Hydraulic Lines / Fittings</b>	3 - Normal Wear & Tear	
<b>Hydraulic Lines / Fittings Condition</b>	Hydraulic lines & fittings are clean and in good condition	
<b>Appearance of Hydraulic Lines / Fittings Photos</b>		

Inspection Report (Mini Excavator)



Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)

		
<b>Unusual Noises (Hydraulic Pump)</b>	No	
<b>Hydraulic Pump Notes</b>	No unusual noises heard during operation	
<b>External Controls / Levers</b>	3 - Normal Wear & Tear	
<b>External Controls / Levers Condition</b>	Good function & condition of hydraulic controls	
<b>External Controls / Levers Photos</b>		
		

## Inspection Report (Mini Excavator)



### Hydraulics Cylinders Inspection Points

Boom Cylinder: Mounting Pin	3 - Normal Wear & Tear
Boom Cylinder: Oil Leaks	No
Boom Cylinder Photos	
	

Inspection Report (Mini Excavator)



### Inspection Report (Mini Excavator)

	
<b>Stick Cylinder: Mounting Pin</b>	3 - Normal Wear & Tear
<b>Stick Cylinder: Oil Leaks</b>	No
<b>Stick Cylinder Photos</b>	
	

### Inspection Report (Mini Excavator)

		
		
		
<b>Bucket Cylinder: Mounting Pin</b>	3 - Normal Wear & Tear	
<b>Bucket Cylinder: Oil Leaks</b>	No	
<b>Comments</b>	Minor scratches seen at cylinder rod	

### Inspection Report (Mini Excavator)

<p>Bucket Cylinder Photos</p>		
		
		

Inspection Report (Mini Excavator)



Blade

3 - Normal Wear & Tear

## Inspection Report (Mini Excavator)

Blade Photos		
		
		

### Blade Inspection Points

Blade Condition	3 - Normal Wear & Tear
Blade Edge	3 - Normal Wear & Tear
Blade Hose & Fittings	3 - Normal Wear & Tear
Blade Cylinder	3 - Normal Wear & Tear

## Inspection Report (Mini Excavator)

Blade Cylinder Photos		
		
		

## Functional Test

Forward & Reverse	3 - Normal, Operating as Expected
Swing Table Rotation	3 - Normal, Operating as Expected
Boom Lift / Angle / Tilt	3 - Normal, Operating as Expected
Blade Functionality	3 - Normal, Operating as Expected
Overall Functional Test Comments	Overall the machines functions operating well during inspection.
Operating Video	<a href="#">Click to Download</a>

## Inspection Report (Mini Excavator)

### Overall Assessment

Overall Assessment	
Exterior Rating	3 - Normal Wear & Tear
Interior Rating	3 - Normal Wear & Tear
Safety Rating	2 - Above Average Wear
Quality Rating	3 - Normal Wear & Tear
Functionality Rating	3 - Normal, Operating as Expected
Overall Rating	3 - Normal Wear & Tear
What's Great About the Machine	No excessive play observed in implements. Engine and Hydraulics sound healthy and work well. Undercarriage In good condition. Operator station also in good condition.
What Needs Work	Machine needs a bucket. Engine smoke after initial startup may be indicating possible injection system seeping into cylinders overnight. This may be the reason why excessive smoke observed only at initial startup. (1 or more injectors may need to be serviced/replaced or a simple injection service recommended). Left side armrest hydraulic lockout switch needs to be addressed for safety.
Date/Time	01-11-2023