

## Inspection Report (Telehandler)

### General Info

B&B Stock Number	A7097685
Year	2013
Make	JCB
Model	509-42
Serial Number	1404811
Hour Meter Reading	2,798 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	General Construction


### Features and Configuration

Control Station Type	Canopy
Max Lift Height	42'
Max Lift Capacity	9,000 Lbs.
Coupler Type	Standard
Forks / Work Tool Specs	5'L x 6"W x 2&1/2" Thick
Side Shift	No
Tilt Carriage	Yes
Frame Leveling	Yes
Outriggers	No
Additional Attachment(s)?	No
Auxiliary Hydraulics	Yes
Heat	No
A/C	No
Radio	No
Backup Camera	No
OMM (Operator & Maintenance Manual)	No
Telematics	No


### Exterior 360 Walkaround

#### 360 Walkaround & Operating Video

#### Walkaround Photos & Operating Video

Exterior Walkaround Photos	
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## Inspection Report (Telehandler)

		
Operating Video	<a href="#">Click to Download</a>	

## General Appearance Inspection Points

### General Appearance

### General Appearance Photos

Close-up Exterior Photos	    
	  

## General Appearance Inspection Points

Inspection Rating Criteria	Rating Scale	Explanation
	1 - Service Required	Requires immediate repairs to function as expected.
	2 - Above Average Wear & Tear	Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.
	3 - Normal Wear & Tear	Exhibits wear that is consistent with age and usage. Operation is normal, and as expected.
	4 - Very Light or Minimal Wear	Exhibits very minimal wear. Operation is better than expected given age and usage.
	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Body Panels	3 - Normal Wear & Tear	
Body Panel Condition	Some panel misalignment observed, Visible chipped paint or dents, Other (see comments)	
Comments	Scuff marks and dents present throughout exterior panels and hood.	
Doors / Canopy Latches	3 - Normal Wear & Tear	
Doors / Canopy Latches Condition	No visible damage	
Steps / Ladders	3 - Normal Wear & Tear	
Steps / Ladders Condition	Steps/ladders are fully intact and appear structurally sound	
Handrails	3 - Normal Wear & Tear	
Handrails Condition	Handrails are fully intact and appear structurally sound	
Glass	3 - Normal Wear & Tear	
Glass Condition	Glass intact, no visible damage	
Mirrors	3 - Normal Wear & Tear	
Mirror Condition	Mirrors present and intact, no visible damage	




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Exterior Lights	3 - Normal Wear & Tear
Exterior Lights Condition	No visible damage, lighting system is operational
Overall Exterior	3 - Normal Wear & Tear
Comments	Machine has some minor dents and scuff marks throughout exterior. Some panel and hood misalignment observed.

## Control Station Inspection Points

### Control Station

### Control Station Photos

Control Station Photos	
Serial Number Plate	 <p>       J.C.B. EXCAVATORS LIMITED        LAKESIDE WORKS ROCESTER, UTTON CLERE,        UNITED KINGDOM "T14 012"     </p> <p>       JCB5CF 014 4811 270 1001        509 42 812        SH22 69113 5/274        4*5 25 4 04/275y        8000 4080     </p>
Hour Meter/Odometer	 <p>       QUARTZ        HOURS        2798.7 <math>\frac{1}{10}</math>        JCB     </p>
Seat	2 - Above Average Wear & Tear

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Seat Condition	Seat(s) has major surface staining or tears
Comments	Bottom seat cushion torn
Cabin Lights	0
Safety Lock Out / Stop	3 - Normal Wear & Tear
Safety Lock Out / Stop Condition	Safety lock out device is present, in good condition, and functional
Controls & Switches	3 - Normal Wear & Tear
Controls & Switches Condition	All switches are installed and functional
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
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
Control Station Overall Rating	3 - Normal Wear & Tear
Control Station Overall Condition	Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling
Comments	Operator Station is decent shape for its age and usage

## Engine Inspection Points

### Engine






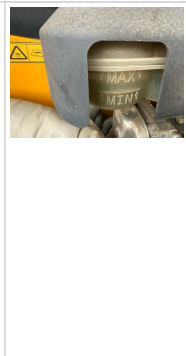



### Engine Compartment Photos

Engine Data Plate





## Inspection Report (Telehandler)

Engine Compartment Photos					
					 <p data-bbox="1086 750 1272 853">Fan motor has seepage buildup</p>
					
Engine Type (Make, Model, Cylinders, Hp)	JCB - 4.4L - 4Cyl. - 74Hp				
Emissions Tier	Tier 4i				
Engine Serial Number	SH320/40532U3069113				
Engine Fuel Type	Diesel				
Blow-by (Visual Observation Check)	No				
Unusual Noises (Upon Start-up, Idle, Shutdown)	No				
Engine Smoke (Upon Start-up, Idle, Shutdown)	Yes				
Engine Smoke Notes	Continuous engine smoke observed during operation, Other (see comments)				
Comments	Minor smoke observed only occurred when hydraulics were lugging down the engine.				
Engine Exhaust Color	Black puffs observed under throttle				
Battery	3 - Normal Wear & Tear				
Battery Condition	Clean & dry appearance, tight connections				
Radiator	3 - Normal Wear & Tear				
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks				
Belts	0				
Hoses	3 - Normal Wear & Tear				
Hose Condition	Firm, pliant hoses with no signs of wear or leaks				
Water Pump	3 - Normal Wear & Tear				
Water Pump Condition	No unusual pump noises heard				








## Inspection Report (Telehandler)

Cooling System Leaks	No
Coolant Appearance	3 - Normal Wear & Tear
Coolant Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	No
Oil Appearance	3 - Normal Wear & Tear
Oil Appearance Notes	Appropriate oil level, Clean oil appearance, no signs of cross contamination
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	Yes
DPF Condition	3 - Normal Wear & Tear
DPF Condition Notes	Filter housing is intact with no signs of damage or malfunction, DPF indicator is not illuminated
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Rating	3 - Normal Wear & Tear
Overall Engine Appearance	Dusty & dry
Overall Engine Comments	Overall, the engine has a healthy appearance with no major active leaks seen. Engine may have an active code. Further inspection for engine lugging down recommended.

## Drivetrain Inspection Points

### Drivetrain

### Drivetrain Inspection Points





Drivetrain Photos	    	<p>Minor residual oil buildup around transmission covers.</p>
	 	
Hydrostatic Transmission?	No	
2 Speed?	No	
Hydrostatic Drive Configuration	Close Coupled Transmission	
Transmission Info (Make/Model/Speeds)	Powershift, 4 Speed Transmission	
Drive	4WD	

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Transmission Components	3 - Normal Wear & Tear
Transmission Condition	Good forward and reverse function, Shifting delays observed, Other (see comments)
Comments	Transmission does not operate at full speed and noticeably causes engine RPM's to drop
Drive Motors	0
Parking Brake	3 - Normal Wear & Tear
Parking Brake Function	Good brake function
Overall Drivetrain Rating	3 - Normal Wear & Tear
Overall Drivetrain Comments	Transmission looks okay and goes into first gear normally. The transmission does struggle to upshift but may be engine related. Further testing as to why, recommended.
Front Axle	3 - Normal Wear & Tear
Rear Axle	3 - Normal Wear & Tear























## Wheels & Tires

### Wheels & Tires Inspection Points

Wheels & Hubs	3
Wheel Seal Leaks	No
Tire Brand	Galaxy
Tire Size	14.00 - 24
Front Left Tire - Ratio Remaining	30%
Front Left Tire Photos	
Front Right Tire - Ratio Remaining	30%
Front Right Tire Photos	
Rear Right Tire - Ratio Remaining	30%
Rear Right Tire Photos	
Rear Left Tire - Ratio Remaining	30%
Rear Left Tire Photos	

### Chassis Inspection Points






## Inspection Report (Telehandler)

Chassis Photos					
					
					
					
					
Frame	3 - Normal Wear & Tear				
Stance	3 - Normal Wear & Tear				
Oscillating Pin Appearance	3 - Normal Wear & Tear				
Boom Condition	3 - Normal Wear & Tear				
Chain / Tensioners	3 - Normal Wear & Tear				
Rollers & Guides	3 - Normal Wear & Tear				
Boom Wear Guides	3 - Normal Wear & Tear				
Overall Chassis	3 - Normal Wear & Tear				
Overall Chassis Comments	Main frame and implements are in solid condition with no excess play observed during the inspection.				

## Hydraulics Overall Inspection Points

### Hydraulics Overall

### Hydraulic System Inspection Points




Hydraulic System Photos					
			Active leak at holding valve located at bottom, rear side of telescoping cylinder.		



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Wet or Damp Hydraulic Lines / Fittings	Yes
Hydraulic Lines/Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Hydraulic lines & fittings are clean and in good condition, Active leaks in hoses or fittings observed
Hydraulic Pump(s)	3 - Normal Wear & Tear
Unusual Noises	No
Hydraulic Pump Notes	No unusual noises heard during operation

## Hydraulic Cylinder Inspection Points

Hydraulic Cylinder Photos					
	 <p>Minor leakage at L/S Boom Lift Cylinder Rod Seal</p>				
					
Mounting Pins	3 - Normal Wear & Tear				
Cylinder Oil Leaks	Yes				
Comments	Minor leak at L/S lift cylinder				
Hydraulic System Overall	2 - Above Average Wear & Tear				
Comments	Main Pump, most hoses and most cylinders have a healthy appearance. A few leaks are present .				







## Additional Attachments

### Additional Attachment(s)

### Additional Attachments

Attachment Type	Standard Fork Set
Attachment Make	JCB
Attachment Size / Specs	5' Fork Set
Attachment Condition	3 - Normal Wear & Tear

## Inspection Report (Telehandler)

Attachment Photos					
	Fork Bar Bent				
					
	Fork Bar Slightly Bent				

## Functional Test

### Functionality Assessment

### Functionality Assessment

Engine	2 - Above Average Wear & Tear
Comments	Engine loses power under Hydraulic and Transmission Loads
Transmission/Drivetrain	3 - Normal Wear & Tear
Travel (Forward/Reverse/Steering)	2 - Above Average Wear & Tear
Comments	Unable to travel at optimum performance due to engine issues
Brakes	3 - Normal Wear & Tear
Hydraulic System	2 - Above Average Wear & Tear
Comments	Hydraulic speeds lower than expected due to engine lugging
Electric Operating System	3 - Normal Wear & Tear
Controls	3 - Normal Wear & Tear
Safety Systems	3 - Normal Wear & Tear
Core Functions	2 - Above Average Wear & Tear
Comments	Because engine lugs down, unable to have full power for hydraulics and transmission .
Attachments	3 - Normal Wear & Tear
Overall Functional Test Comments	Machine operated okay but low on engine power and therefore reducing hydraulic and transmission speeds. All functions still operate but at a slower rate.

## Overall Assessment

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	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Exterior Rating	3 - Normal Wear & Tear	
Interior Rating	3 - Normal Wear & Tear	
Safety Rating	3 - Normal Wear & Tear	
Quality Rating	3 - Normal Wear & Tear	
Functionality Rating	2 - Above Average Wear & Tear	
Overall Rating	3 - Normal Wear & Tear	
Summary Video	<a href="#">Click to Download</a>	
What's Great About the Machine	This telehandler has low usage for its age. With only 2,798 Hrs., this telehandler has plenty of work life left and is overall in good shape. No major active leaks seen.	
What Needs Work	Active code (509-42) present and engine is lugging down under loads. Further testing to determine if active code is related to engine power loss recommended. L/S Boom Lift Cylinder slightly leaking and bottom of telescoping cylinder slightly leaking around holding valve. Cosmetic damage present throughout exterior panels and hood.	
Date/Time	11-08-2023	
Inspector Name	Mario Ramirez	