

Location: Boom and Bucket

TRUCK AND EQUIPMENT CONSULTING LLC – LOADER BACKHOE CHECKLIST

Date 6/27/2023
(Y/M/D)

INSPECTOR INITIALS R.Y.

(Basic Information)	
(Manufacturer)	John Deere
(Model Number)	310SL
(Serial Number)	1T0310SLJLF382212
(Year of Manufacturing)	2020
(Hour Meter Reading)	1041.1 Hrs
(Engine Model)	TIER IV J.Deere 4045TT086 98Hp 4.5L I4 TurboD
(Transmission)	Powershift 5 FWD + 3 REV w/AutoShift
(Final Drive 2WD/4WD)	4 + 4 (RWD with Manual FWD)

Specification and Dimensions	
Serial Plate/Frame Inscription	JD0310SL9853H
Cabin*Canopy (Circle)	Cabin
EPA Certificate / Permits Posted	EROPS / EFOPS
Backhoe dig depth/Loader Capacity	14 Ft 3 in / 1.12 yd3 7698 lbs full height
Fluid Capacities	Hyd Tank=11.9 gal/Eng Oil=13.7 qt/Coolant=29.1 qt
Size of tire	Galaxy Front =12.5/80-18 Rear =19.5L-24
Hydraulic Relief	3625 psi
Outriggers	Yes
Loader Bucket s/n #1000257 1134 lbs	Coupler bucket Model AT308966 / 1.31 yd3
Hydraulic System Capacity	33.5 gal
Other	Extend-a hoe, Hydraulic Thumb, Loader Forks Colorado DOT thru 4/2023

- A (Near to Brand New or Excellent Condition)
- B (A little Wear but Good Condition)
- C (Fair Average Condition for hours and year)
- D (Workable but minor repair is required)
- E (Workable but major repair is required)

	(Check List)						(Remarks)
		A	B	C	D	E	
GENERAL APPEARANCE	(General Appearance-Front)	X					Good appearance Front bucket components, hydraulics, panels No damage
	(General Appearance-Rear)	X					Good appearance Backhoe+thumb, hydraulics, panel fitment No damage
	(General Appearance-Right)	X					Good Right side panels, panel gaps Good appearance No damage seen
	(General Appearance-Left)	X					Good Left side panels, panel gaps Good appearance No damage seen
	(General Appearance-Upper)	X					Good EROPS upper canopy structure+frame No damage No cracks
	(Major / Minor Surface Rust)	X					No rust seen
	(Body Panel Rust Damage / Cancer)	X					No panel damage No rust damage
	(Visible Weld Repairs / Stress Cracks)	X					No weld repairs No stress cracks seen
	(Glass Condition)	X					Glass Good Condition
	(Chassis / Undercarriage Damage)	X					Good chassis and frame appearance
OPERATOR'S COCKPIT	(Operator Cabin)	X					Solid floors, consoles Straight and complete Good panels+appearance
	(Operator Controls and Switches)	X					Contollers, switchgear Complete Good Appearance and Good Response
	(Hour Meter Activity)	X					Working
	(Other Gauge Activity)	X					All Gauges Working No service codes
	(Door / Canopy Latches)	X					Doors and covers Good latch function
	(Safety - Horn / First Aid Kit)	X					Working
	(Operator Seat Condition)	X					Good seat condition
	(Safety - Seat Belts / Fire Extinguisher)	X					yes
E N G I N E	(Oil Color / Fluid Appearance / Particulates or Granuales)	X					Good appearance No signs of cross contamination
	(Noise Upon Startup / Noise Upon Idle / Noise Upon Shut Down)	X					Easy start No unusual noises at start up Good Idle No noise at shutdown
	(Engine Exhaust Color - White / Blue / Black / Clear)	X					Clear at start up Clear at operating temp No blow by seen
	(Oil Leaks)	X					No oil leaks seen
	(Engine Smoke Upon Startup / Upon Idle / Upon Shut Down)	X					Clear
	(Coolant Color / Fluid Appearance)	X					Good coolant appearance
	(Water Pump Noises / Damp Hoses / Coolant Leaks)	X					No noises No coolant leaks seen
	(Coolant Leaks from Radiator)	X					None
	(Overall Engine Appearance Clean / Wet / Dry)	X					Clean and Dry Good appearance
	HYDRAULICS OVERALL	(Overall appearance of Hydraulic lines/fittings - worn/cracked)	X				
(Hydraulic Pump Sounds / Noises)		X					No unusual noises or vibrations under load
Wet or Damp hydraulic lines and fittings / fluid leaks)		X					No leaks seen No dried seepages or panel stains
(External Controls / Levers Condition)		X					Good condition
(Hydraulics Service Records / Maintenance History)							Not labeled

ELECTRICAL	(Lighting System Condition)		X				Lights working	
	(Reverse Alarm / Backup Signal)		X				Working	
	(Battery Condition)		X				Battery + battery compartment Good appearance	
	(Outrigger Controls)		X				Outriggers Good Function Good pads No wear or tear	
B R A K E S	(Foot Brake)		X				Good Brake Function	
	(Inching Brake Functional & Working Condition)		X				Good	
	(Parking Brake)		X				Working	
	(Other Remarks)		X				Good Brake Function	
TRANSMISSION	(Clutch Noise / Function)		X				Smooth and quiet shift function No noises No vibrations	
	(Transmission Noise / Function)		X				No noises or banging Good Forward and Reverse Travel	
	(Shift Lever Condition & Function)		X				Good shifter response	
	(Other Remarks)		X				Transmission Smooth and quiet Good Performance	
HYDRAULICS CYLINDERS	Loader	(Oil Leak from Cylinder)		X			No leaks seen No stains No dried seepages	
		(Mounting Pin Condition)		X			Pins Good appearance No discoloration	
	Backhoe	(Oil Leak from Cylinder)		X			No leaks seen No stains No dried seepages	
		(Mounting Pin Condition)		X			Pins Good appearance No discoloration	
	Steering	(Oil Leak from Cylinder)		X			No leaks seen No stains No dried seepages	
		(Mounting Pin Condition)		X			Pins Good appearance No discoloration	
	Outriggers	(Other Remarks)		X			Smooth function No noises Good Function Up and Down	
	Bucket	(Other Remarks)		X			Good Bucket Response Up and Down	
C H A S S I S & COMPONENT	(Transom / Boom / Arm Function / Noise)		X				No unusual noises Good Function	
	(Slack in Pins / Loose Pins / Soft Bushings)		X				No noises No squeaking or excess slack felt when shaken by hand	
	(Level stance and alignment)		X				Yes level	
	(Front Axle Appearance)		X				Front axles Clean and Dry Good appearance No damage seen	
	(Rear Axle Appearance)		X				Rear axles Clean and Dry Good appearance No damage seen	
	(Center Pin Appearance)		X				Diff's / Center pin Clean and Dry Good appearance No damage seen	
	(Wheel Condition)	(Front)	Remaining Ratio Of Right *(A)to(E)	X			R/F Tire Good = B / Hubs =B	use (A)90% to (E) 20%
			Remaining Ratio Of Left *(A)to(E)	X			L/F Tire Good = B / Hubs=B	
		(Rear)	Remaining Ratio Of Right *(A)to(E)	X			R/R Tire Good = B / Hubs =B	
			Remaining Ratio Of Left *(A)to(E)	X			L/R Tire Good = B / Hubs =B	
(Tread Condition)		X				Good Tread No damage to sidewalls No split No cracks		
LOADER	(Bucket Appearance)		X				Good Bucket + Edge No dents No dings	
	(Bucket Condition)		X				Good appearance Some dried mud No damage	
	(Arm/Link Condition)		X				Good appearance and Good loader function	
	(Other Remarks)		X				Good hydraulic response	
BACKHOE	(Bucket Appearance)		X				Backhoe Bucket and Hydraulic thumb Good Appearance No wear issues	
	(Bucket Condition)		X				Good Extend-a-Hoe function and appearance No wear issues seen	
	(Arm/Link Condition)		X				Good appearance and Good Extension+Retraction of boom	
	(Other Remarks)		X				Good articulation and performance	

OVERALL EXTERIOR RATING: B QUALITY: B
OVERALL INTERIOR RATING: B SAFETY: B
OVERALL PERFORMANCE: B FUNCTIONALITY: B
OVERALL EVALUATION GRADE: B / B+
FLUID SAMPLE REQUEST (Y/N) n OIL n COOLANT n

DIMENSIONS: (shipping reference)

Length: 23 Ft 11 inch
Width: 7 Ft 3 inch
Height: 9 Ft 2 inch
Weight: 17,462 lbs (est)

*A:Remaining Ratio 90% or more
*B:Remaining Ratio 70% or more
*C:Remaining Ratio 50% or more
*D:Remaining Ratio 20% or more
*E:Remaining Ratio 20% or less