VOLVO - INSPECTION REPORT

Volvo, L110h - Wheel Loaders

Country: US Date: 04/19/2019 Make: Volvo Serial number: 631210 Matris hours: 4907 Dealer: Arnold Machinery Company Inspector: dave gibson Model: 1 110h

Inspector: dave gibson Model: L110h Engine S/N: 11935390 Location: Las vegas Year: 2016 Hours: 4908 Trans S/N: 10320

| Matris hours: 4907 | | | |
|---|---------------------------------------|---|--|
| Comment: | | | |
| | | | |
| General Configura | ation | | |
| [X] Yes EROPS [] Yes OROPS [] Yes FOPS [X] Yes Steering w [] Yes Joystick ste [X] Yes Air conditio [X] Yes Rear came [X] Yes Standard b [X] Yes Reversible [] Yes Artic kit [] Yes Counter we | eering oning ora ooom fan | [] Yes Auto Lube [] Yes Onboard scale [] Yes Onboard Weight Sys. [X] Yes Auto shift [X] Yes Optishift [X] Yes Boom suspension [] Yes 3rd function [] Yes 4th function [] Yes Fuel Heater [] Yes Limited slip axel [] Yes Universal attachment plate | [X]Yes Full coverage fenders []Yes Strobe Light []Yes Auto Lube System []Yes Fire Suppression System []Yes Mud Flaps []Yes Recyling arrangement []Yes Forestry arrangement []Yes Long boom [X]Yes Bucket leveler []Yes Quick coupler |
| Comment: | | | |
| Images Comment: | | | |
| | | | |
| Operators Station | 1 | | |
| Seat and armrest | [X] Good | | |
| Dash and console | [X] Good | | |
| Floor Board/Mat | [X] Good | | |
| Cab glass | [X] Good | | |
| Mirrors | [X] Good | | |
| Interior light | [X] Good | | |
| Switches | [X] Good | | |
| Wipers | [X] Fair Remarks: | Washer inop | |
| Gauges | [X] Good | | |
| Hydraulic controls | [X] Good | | |
| Powertrain controls | [X] Good | | |
| AC cooling | [X] Good | | |
| CAB Interior | [X] Good | | |
| Operators station condition summary | | | |
| Comment: | | | |

| Outside appearance | е | |
|--------------------------------------|-------------------|---|
| Steps | [X] Fair Remarks: | Missing drivers side and have to be swapped sides |
| Hand rails | [X] Fair Remarks: | Missingtool box and battery box handles |
| Counterweight / | [X] Fair Remarks: | Needs paint badly rusted |
| Bumper | | |
| Grill | [X] Good | |
| Hood | [X] Good | |
| Exhaust stack | [X] Good | |
| Pre-cleaner bowl | [X] Good | |
| Front fenders | [X] Good | |
| Rear fenders | [X] Fair Remarks: | Ringtone hand side bent plastic and left side |
| Fuel tank | [X] Good | |
| Front frame & welds | [X] Fair Remarks: | Badly rusted |
| Rear frame & welds | [X] Good | |
| Sheet metal | [X] Fair Remarks: | Needs paint tool box bad welds and badly bent |
| Paint | [X] Fair Remarks: | Needs paint and buffed |
| Outside appearance condition summary | | |
| Comment: | | |
| | | |
| Safety condition | | |
| Safety decals in place | [X]No | |
| Operators manual | [X]Yes | |
| Safety handles | [X] Fair Remarks: | Missing |
| Seat belt | [X] Fair Remarks: | Needs new expired |
| Horn | [X] Good | |
| Back up alarm | [X] Good | |
| Brake hold | [X] Good | |
| Turn signals | [X] Good | |
| Hazard lights | [X] Good | |
| ROPS Structure | [X] Good | |
| CAB | [X] Fair Remarks: | Rusted badly |
| Safety condition summary | | |
| Comment: | | |
| | | |

Electrical condition

| Computer | [X] Good |
|------------------------------|---|
| ECM'S | [X] Fair Remarks: Software campaigns |
| Monitor / Display | [X] Good |
| Wiring harness's | [X] Good |
| Key switch | [X] Good |
| Switches | [X] Good |
| Lighting | [X] Fair Remarks: Left headlamp out right rear flasher out |
| Engine preheater | [X] Good |
| Batteries / Connections | [X] Fair Remarks: All 3 bolts rusted and broken new batt installed |
| Battery disconnect | [X] Good |
| switch | |
| Electrical condition summary | |
| Comment: | |
| | |
| Engine condition | |
| Oil level OK | [X]Yes |
| Water in oil | [X] No |
| Compression in radiator | [X] No |
| Blow by | [X] No |
| Engine knocking | [X] No |
| CE PLATE | [X]Yes |
| Oil pressure | [X] Good |
| Oil leaks | [X] No |
| EPA DECAL | [X]Yes |
| Turbo charger | [X] Good |
| Exhaust manifold | [X] Good |
| Muffler | [X] Good |
| Fuel injection system | [X] Good |

[X] Good

[X] Good

[X]Good

[X]Good

[X]Good

[X]Good

[X]Good

[X] Fair Remarks: Needs washed possible leak under hyd tank

Head gasket

Head

Fan guard

Belts & pulleys

Wiring harness

Seals & gaskets

Starter

Alternator

| Cooling system Coolant color Radiator [X] Good Water pump [X] Good Oil cooler [X] Good Fan [X] Good Fan [X] Good Cooling system Summary | Engine mounts | [X] Good |
|--|--------------------------|--|
| Air fillers [X] Fair Remarks: Neods service Engine condition Conting system Cooling system Cooling cooler [X] Good Water pump [X] Good Gil cooler [X] Good Fan (X] Good Fan (X] Good Fan (X] Good Fan (X] Good Cooling system Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Neods washed has trans leak bye front side Pump [X] Good Hoses [X] Good Shifting forward [X] Good Shifting forward [X] Good Transmission summany (28 psi | Brackets | [X] Good |
| Engine condition summary Cornment: Cooling system Coolant color Radiator [X] Good Water pump [X] Good Oil cooler [X] Good Fan [X] Good Fan [X] Good Fan furive [X] Good Fan furive [X] Good Cooling system summary Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Retarder [X] Good Retarder [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary [228 psi | AC Compressor | [X] Good |
| Comment: Cooling system Coolent color Radiator [X] Good Water pump [X] Good Oil cooler [X] Good Fan [X] Good Fan adrive [X] Good Fan drive [X] Good Cooling system summary Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Retarder [X] Good Shifting forward [X] Good Shifting forward [X] Good Shifting reverse [X] Good | Air filters | [X] Fair Remarks: Needs service |
| Cooling system Coolant color Radiator [X] Good Water pump [X] Good Oil cooler [X] Good Fan (X) Good Fan drive [X] Good Hoses [X] Good Cooling system summary Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Hoses [X] Good Retarder [X] Good Shifting reverse [X] Good Shifting reverse [X] Good Transmission summary [28] psi | Engine condition summary | |
| Coolant color [X] Good Water pump [X] Good Oil cooler [X] Good Fan [X] Good Fan drive [X] Good Hoses [X] Good Cooling system summary | Comment: | |
| Radiator [X] Good Water pump [X] Good Oil cooler [X] Good Fan [X] Good Fan furive [X] Good Hoses [X] Good Cooling system summery Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Transmission summary (228 psi | Cooling system | |
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| Oil cooler [X] Good Fan drive [X] Good Hoses [X] Good Cooling system summary | Radiator | [X] Good |
| Fan (X) Good Fan drive [X] Good Hoses [X] Good Cooling system summary Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Transmission summary [228 psi | Water pump | [X] Good |
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| Hoses [X] Good Cooling system summary Comment: Transmission condition Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Transmission summary 228 psi | Fan | [X] Good |
| Cooling system summary Comment: Transmission condition Oil level OK | Fan drive | [X] Good |
| Comment: Transmission condition Oil level OK | Hoses | [X] Good |
| Transmission condition Oil level OK | | |
| Oil level OK [X] Yes Water in oil [X] No Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Transmission summary 228 psi | Comment: | |
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| Any leaks [X] Yes Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 228 psi | Oil level OK | [X]Yes |
| Torque converter [X] Good Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Transmission summary 228 psi | Water in oil | [X] No |
| Case [X] Fair Remarks: Needs washed has trans leak bye front side Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Transmission summary 228 psi | Any leaks | [X]Yes |
| Pump [X] Good Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 228 psi | Torque converter | [X] Good |
| Hoses [X] Good Retarder [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 228 psi | Case | [X] Fair Remarks: Needs washed has trans leak bye front side |
| Retarder [X] Good Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 228 psi | Pump | [X] Good |
| Shifting forward [X] Good Shifting reverse [X] Good Transmission summary 228 psi | Hoses | [X] Good |
| Shifting reverse [X] Good Transmission summary 228 psi | Retarder | [X] Good |
| Transmission summary 228 psi | Shifting forward | [X] Good |
| | Shifting reverse | [X] Good |
| Comment: | Transmission summa | 228 psi |
| | Comment: | |

Axels-Final Drives-Brakes

| Front differential | [X] Good |
|-----------------------|--|
| Rear differential | [X] Good |
| Differential supports | [X] Good |
| Drive shafts | [X] Good |
| UV Joints | [X] Good |
| Planetaires front | [X] Good |
| Planetaires rear | [X] Good |
| Hoses / Lines | [X] Good |
| Torsion rods | [X] Good |
| Any leaks | [X] No |
| Holds in park | [X]Yes |
| Brakes wet | [X]Yes |
| Holds thru all gears | [X]Yes |
| Brakes dry | [X] No |
| Brake disk / calipers | [] Good [] Fair [] Poor Remarks: |
| Brake lines | [X] Good |
| Seals | [X] Good |
| Parking brake | [X] Good |
| Summary | |
| Comment: | |
| | |
| Steering & articulat | tion condition |
| Steering cylinders | [X] Good |
| Pumps | [X] Good |
| Valves | [X] Good |
| Lines / Hoses | [X] Good |
| Secondary steering | [X] Good |
| Steering pins & | [X] Fair Remarks: Slightly worn still operable |
| bushings | |
| Steering wheel tilt & | [X] Good |
| function | |
| Articulation pins & | [X] Fair Remarks: Slightly worn still operable |
| | |
| bushings | |
| bushings Summary | |
| | |

Hydraulics condition

| Boom cylinders | [X] Good |
|----------------------|--|
| Tilt cylinder | [X] Good |
| Valves | [X] Good |
| Hoses | [X] Good |
| Fittings | [X] Good |
| Tank | [X] Good |
| Controls | [X] Good |
| Boom kickout and | [X] Good |
| bucket level | |
| Operational | [X] Good |
| Summary | |
| | |
| Comment: | |
| | |
| | |
| Bucket & other att | achments |
| Bucket type / Size | Standard |
| | |
| Coupler type | N/A |
| Bucket serial | Tag is gone |
| | |
| Coupler serial | N/a |
| Bucket W / Teeth | [X] No |
| | |
| Addtl attachments | |
| Bolt on smooth | [X]Yes |
| Bolt on edge | [X] Good |
| Bucket teeth / | [] Good [] Fair [] Poor Remarks: |
| Segments | [] Good [] Fall [] Fool Nethans. |
| Cognicino | |
| Bucket sides | [X] Fair Remarks: Bucket is cracked |
| | |
| Bucket floor | [X] Good |
| D 1 41 # | |
| Bucket bottom | [X] Fair Remarks: Rear ware pads bad |
| | |
| Coupler | [] Good [] Fair [] Poor Remarks: |
| | |
| Boom / Frame | [X] Fair Remarks: Bucket and arms badly rusted |
| | |
| Boom / Bucket pins & | [X] Fair Remarks: Slightly worn still operable |
| bushings | |
| Summary | |
| • | |
| Comment: | |
| | |
| | |
| Tires & rims | |
| Make | Primex |
| | |
| Serial | 20/32 |
| % Remaining | |
| | |

| Make | Primex |
|---|--|
| Serial | 8/32 |
| % Remaining | |
| Make | Primex |
| Serial | 8/32 |
| % Remaining | |
| Make | Primex |
| Serial | 20/33 |
| % Remaining | |
| Make | |
| Serial | |
| % Remaining | |
| Make | |
| Serial | |
| % Remaining | |
| Recapped | [X] No |
| Tread cuts | [X] Yes Remarks: Some |
| Side wall cuts | [X] Yes Remarks: Some |
| Tire size the same | [X] Yes Remarks: 23.5r25 |
| Overall tire condition | [X] Fair Remarks: Front tires worn |
| Rims | [X] Fair Remarks: Rusted |
| Lug nuts & studs | [X] Good |
| Comment: | |
| | |
| General Comment | S . |
| Legend (5 star rating) Paint general | []5 []4 []3 []2 []1 []Good []Fair []Poor Remarks: |
| Comment: | |