VOLVO - INSPECTION REPORT

Volvo, Ec220elr - Track Excavators

Country: US	Dealer: Arnold Machinery Company	Location: Las Vegas
Date: 09/15/2020	Inspector: Mike seifert	Year: 2017
Make: Volvo	Model: Ec220elr	Hours: 2196
Serial number: 310584	Engine S/N: 12014641	Matris hours: 2204

Comment:

Equipped Configuration

[X] Yes EROPS
[X] Yes Air conditioning
[ ] Yes Stick short
[ ] Yes Stick medium
[ ] Yes 2 Piece boom
[X] Yes Long reach arrangement
[ ] Yes Drill arrangement
[ ] Yes Recycling arrangement
[ ] Yes Demolition arrangement
[ ] Yes Mass excavator arrangement
[ ] Yes Forestry arrangement

[ ] Yes Cab risers
[ ] Yes Cab riser hydraulic
[X] Yes Standard car body
[ ] Yes Hydraulic retractable UC
[ ] Yes Auxiliary hydraulics
[ ] Yes Hose rupture valves
[ ] Yes Boom float
[ ] Yes Attachment circuits
[ ] Yes Leveling blade
[ ] Yes Cushion boom cylinder

[X] Yes Proportional joystick controls
[X] Yes Joystick controls
[ ] Yes Thumb - Manual
[ ] Yes Thumb hydraulic
[ ] Yes Counterweight removal sys.
[X] Yes Long undercarriage
[ ] Yes Quick coupler manual
[ ] Yes Quick coupler hydraulic
[ ] Yes Auto Lube
[ ] Yes Travel pedal

Comment:

Images

Comment:

Operators Station

Seat and armrest	[X] Fair Remarks:	Small burn hole
Dash and console	[X] Good	
Floor Board/Mat	[X] Good	
Cab glass	[X] Good	
Mirrors	[X] Fair Remarks:	Rust on brackets mirror
Interior light	[X] Good	
Switches	[X] Good	
Wipers	[X] Good	
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

Steps	[X] Fair Remarks:	Tool box step bent
Hand rails	[X] Fair Remarks:	Rusted hardware some scratches
Counterweight / Bumper	[ ] Good [ ] Fair [ ] Poor Remarks:	
Grill	[ ] Good [ ] Fair [ ] Poor Remarks:	
Hood	[X] Fair Remarks:	Rusted hardware small scratches
Exhaust stack	[X] Fair Remarks:	Rust
Pre-cleaner bowl	[X] Good	
Front fenders	[X] Good	
Hyd tank	[X] Good	
Fuel tank	[X] Good	
Car body	[X] Fair Remarks:	Some creases and gouging
Fenders	[X] Good	
OEM Welds	[X] Good	
Sheet metal	[X] Fair Remarks:	Creased rear doors
Paint	[X] Fair Remarks:	Needs paint
Outside appearance condition summary		
Comment:		

Safety condition

Safety decals in place	[X] Yes	
Operators manual	[X] Yes	
Safety handles	[X] Good	
Seat belt	[X] Good	
Horn	[X] Good	
Back up alarm	[X] Good	
Brake hold	[X] Good	
ROPS Structure	[X] Good	
Guarding	[X] Fair Remarks:	Rusted hardware
CAB	[X] Fair Remarks:	Cover has rusted hardware
Safety condition summary		
Comment:		

Electrical condition

Computer	[X] Good
ECM'S	[X] Good
Monitor / Display	[X] Fair Remarks: Small scratches
Wiring harness's	[X] Good
Key switch	[X] Good
Switches	[X] Good
Lighting	[X] Good
Engine preheater	[X] Good
Batteries / Connections	[X] Good
Battery disconnect switch	[X] Good
Electrical condition summary	
Comment:	

Engine condition

Oil level OK	[X] Yes
Water in oil	[X] No
Compression	[X] Yes
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
Head gasket	[X] Good
Head	[X] Good
Fan guard	[X] Good
Belts & pulleys	[X] Good
Wiring harness	[X] Good
Starter	[X] Good
Alternator	[X] Good
Seals & gaskets	[X] Good

Engine mounts	[X] Good
Brackets	[X] Good
AC Compressor	[X] Good
Air filters	[X] Good
Engine condition summary	
Comment:	

Cooling system

Coolant color	Yellow
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:	

Hydraulics condition

Boom cylinders	[X] Good
Stick cylinders	[X] Good
Bucket cylinders	[X] Good
Blade cylinders	[ ] Good [ ] Fair [ ] Poor Remarks:
Thumb cylinders	[ ] Good [ ] Fair [ ] Poor Remarks:
Pumps	[X] Good
Valves	[X] Good
Hoses	[X] Good
Fittings	[X] Fair Remarks: Some rust
Tank	[X] Good
Swing bearing	[X] Good
Swing gear	[X] Good
Swing motor	[X] Good
Hydraulic swivel	[X] Good
Travel motors	[X] Good
Pump drive	[X] Good
Planetaries left	[X] Good
Planetaries right	[X] Good
Controls	[X] Good
Overall condition	[X] Good
Summary	Normal wear

Comment:

Boom & arm condition

Lower stick pins [X] Good

Upper stick pins [X] Good

Stick condition [X] Fair Remarks: Rust scratches and gouging

Stick length 6.25m

Boom length 8.85m

Lower boom pins [X] Good

Upper boom pins [X] Good

Boom condition [X] Fair Remarks: Some scratches and rust

Summary

Comment:

Bucket & other attachments

Bucket type / Size No bucket

Coupler type

Bucket serial Xd6b0720514

Coupler serial

Bucket W / Teeth [ ] Yes [ ] No

Addtl attachments

Bolt on smooth [X] Yes

Bolt on edge [ ] Good [ ] Fair [ ] Poor Remarks:

Bucket mounts [ ] Good [ ] Fair [ ] Poor Remarks:

Bucket teeth / Segments [ ] Good [ ] Fair [ ] Poor Remarks:

Bucket sides [ ] Good [ ] Fair [ ] Poor Remarks:

Bucket floor [ ] Good [ ] Fair [ ] Poor Remarks:

Bucket bottom [X] Good

Coupler [ ] Good [ ] Fair [ ] Poor Remarks:

Boom / Frame [X] Good

Boom / Bucket pins & bushings	[X] Good
Summary	Normal wear
Comment:	

Undercarriage condition

Roller frame right	[X] Fair Remarks:	Rust
Roller frame left	[X] Fair Remarks:	Rust
Track adjusters	[X] Good	
Overall condition	[X] Fair Remarks:	New track adjusters, new sprockets,new chains , new carrier rollers, 3 new bottom rollers, 1 new idler

Links left	
Links left	100%
Internal pin wear left	
Internal pin wear left	100%
External pin wear left	
External pin wear left	100%
Trackshoe/ Grouser left	
Trackshoe/ Grouser left	80%
Front Idler left	
Front Idler left	100%
Sprockets left	
Sprockets left	100%
Front Carrier Rollers left	
Front Carrier Rollers left	100%
Center Carrier Rollers left	
Center Carrier Rollers left	
Rear Carrier Rollers left	
Rear Carrier Rollers left	100%
Links right	
Links right	100%

Internal pin wear right	
Internal pin wear right	100%
External pin wear right	
External pin wear right	100%
Trackshoe/ Grouser right	
Trackshoe/ Grouser right	80%
Front Idler right	
Front Idler right	80%
Sprockets right	
Sprockets right	100%
Front Carrier Rollers right	
Front Carrier Rollers right	100%
Center Carrier Rollers right	
Center Carrier Rollers right	
Rear Carrier Rollers right	
Rear Carrier Rollers right	100%
Bottom rollers S or D	S
Undercarriage brand	Volvo
Link part number	
Pins & bushings turned	No
Comment:	

Bottom rollers S or D

Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)
mm	65%	mm
Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)
65%	mm	65%
Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)
mm	65%	mm
Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)
65%	mm	100%
Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)
mm	65%	mm
Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)
65%	mm	65%
Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)
mm	65%	mm
Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)
100%	mm	65%
Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)
mm	65%	mm

Bottom rollers S or D right (%)
100%

Bottom rollers S or D left (mm)
mm

Bottom rollers S or D left (%)
65%

Bottom rollers S or D right (mm)
mm

Bottom rollers S or D right (%)
65%

Bottom rollers S or D left (mm)
mm

Bottom rollers S or D left (%)
65%

Bottom rollers S or D right (mm)
mm

Bottom rollers S or D right (%)
65%

Bottom rollers S or D left (mm)
mm

Bottom rollers S or D left (%)
65%

Bottom rollers S or D right (mm)
mm

Bottom rollers S or D right (%)
65%

Comment:

General Comments

Legend (5 star rating) [ ] 5 [ ] 4 [ ] 3 [ ] 2 [ ] 1

Paint general [ ] Good [ ] Fair [ ] Poor Remarks:

Comment: