

# VOLVO - INSPECTION REPORT

## Volvo, Ec220e - Track Excavators

### Images



Comment:

Country: US  
Date: 08/06/2019  
Make: Volvo  
Serial number: 310252

Dealer: Arnold Machinery Company  
Inspector: Mike seifert  
Model: Ec220e  
Engine S/N: 11789493

Location: Las vegas  
Year: 2015  
Hours: 3729  
Matris hours: 3728

Comment:

### Equipped Configuration

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Yes EROPS            | <input type="checkbox"/> Yes Cab risers                       | <input type="checkbox"/> Yes Proportional joystick controls |
| <input checked="" type="checkbox"/> Yes Air conditioning | <input type="checkbox"/> Yes Cab riser hydraulic              | <input checked="" type="checkbox"/> Yes Joystick controls   |
| <input type="checkbox"/> Yes Stick short                 | <input checked="" type="checkbox"/> Yes Standard car body     | <input type="checkbox"/> Yes Thumb - Manual                 |
| <input checked="" type="checkbox"/> Yes Stick medium     | <input type="checkbox"/> Yes Hydraulic retractable UC         | <input type="checkbox"/> Yes Thumb hydraulic                |
| <input type="checkbox"/> Yes 2 Piece boom                | <input checked="" type="checkbox"/> Yes Auxiliary hydraulics  | <input type="checkbox"/> Yes Counterweight removal sys.     |
| <input type="checkbox"/> Yes Long reach arrangement      | <input type="checkbox"/> Yes Hose rupture valves              | <input checked="" type="checkbox"/> Yes Long undercarriage  |
| <input type="checkbox"/> Yes Drill arrangement           | <input checked="" type="checkbox"/> Yes Boom float            | <input type="checkbox"/> Yes Quick coupler manual           |
| <input type="checkbox"/> Yes Recycling arrangement       | <input type="checkbox"/> Yes Attachment circuits              | <input type="checkbox"/> Yes Quick coupler hydraulic        |
| <input type="checkbox"/> Yes Demolition arrangement      | <input type="checkbox"/> Yes Leveling blade                   | <input type="checkbox"/> Yes Auto Lube                      |
| <input type="checkbox"/> Yes Mass excavator arrangement  | <input checked="" type="checkbox"/> Yes Cushion boom cylinder | <input checked="" type="checkbox"/> Yes Travel pedal        |
| <input type="checkbox"/> Yes Forestry arrangement        |   |   |

Comment:

### Operators Station

- |                  |  |
|------------------|--|
| Seat and armrest | <input checked="" type="checkbox"/> Good |
| Dash and console | <input checked="" type="checkbox"/> Good |
| Floor Board/Mat  | <input checked="" type="checkbox"/> Good |
| Cab glass        | <input checked="" type="checkbox"/> Good |
| Mirrors          | <input checked="" type="checkbox"/> Good |
| Interior light   | <input checked="" type="checkbox"/> 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

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Steps [ X ] Good  
Hand rails [ X ] Good  
Counterweight /  
Bumper [ X ] Good  
Grill [ X ] Good  
Hood [ X ] Good  
Exhaust stack [ X ] Good  
Pre-cleaner bowl [ X ] Good  
Front fenders [ X ] Good  
Hyd tank [ X ] Good  
Fuel tank [ X ] Good  
Car body [ X ] Fair

Remarks:

Fenders [ X ] Good  
OEM Welds [ X ] Good  
Sheet metal [ X ] Good  
Paint [ X ] Good

Outside appearance  
condition summary

Comment:

### Safety condition

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Safety decals in place [ X ] Yes  
Operators manual [ X ] No  
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 ] Good  
CAB [ X ] Good

Safety condition  
summary

Comment:

### Electrical condition

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Computer [ X ] Good  
ECM'S [ X ] Good  
Monitor / Display [ X ] Fair Remarks:

Display faded

Wiring harness's [ X ] Good  
Key switch [ X ] Good  
Switches [ X ] Fair Remarks:

Lighting [ X ] Good  
Engine preheater [ X ] Good  
Batteries / Connections [ X ] Good  
Battery disconnect [ X ] Good

switch

Electrical condition  
summary

Comment:

### Engine condition

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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

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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:

### Hydraulics condition

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Boom cylinders [ X ] Good

Stick cylinders [ X ] Good

Bucket cylinders [ X ] Good

Blade cylinders [ ] Good [ ] Fair [ ] Poor

Remarks:

Thumb cylinders [ X ] Good

Pumps [ X ] Good

Valves [ X ] Good

Hoses [ X ] Good

Fittings [ X ] Good

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

Comment:

### Boom & arm condition

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Lower stick pins [ X ] Fair Remarks:

Upper stick pins [ X ] Fair Remarks:

Stick condition [ X ] Good

Stick length

Boom length

Lower boom pins [ X ] Fair Remarks:

Upper boom pins [ X ] Fair Remarks:

Boom condition [ X ] Good

Summary

Comment:

### Bucket & other attachments

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Bucket type / Size

Coupler type

Bucket serial

Coupler serial

Bucket W / Teeth [ X ] Yes

Addtl attachments

Bolt on smooth [ X ] No

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

Bucket mounts [ X ] Good

Bucket teeth / Segments	[ X ] Fair	Remarks: <input type="text" value="Slightly worn"/>
Bucket sides	[ X ] Good	
Bucket floor	[ X ] Good	
Bucket bottom	[ X ] Good	
Coupler	[ ] Good [ ] Fair [ ] Poor	Remarks: <input type="text"/>
Boom / Frame	[ X ] Good	
Boom / Bucket pins & bushings	[ X ] Fair	Remarks: <input type="text" value="Slightly work still operable"/>
Summary	<input type="text"/>	
Comment:	<input type="text"/>	

### Undercarriage condition

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Roller frame right	[ X ] Good	
Roller frame left	[ X ] Good	
Track adjusters	[ X ] Good	
Overall condition	[ X ] Good	
Links left	<input type="text"/>	
Links left	<input type="text" value="65%"/>	
Internal pin wear left	<input type="text"/>	
Internal pin wear left	<input type="text" value="65%"/>	
External pin wear left	<input type="text"/>	
External pin wear left	<input type="text" value="65%"/>	
Trackshoe/ Grouser left	<input type="text"/>	
Trackshoe/ Grouser left	<input type="text" value="65%"/>	
Front Idler left	<input type="text"/>	
Front Idler left	<input type="text" value="65%"/>	
Sprockets left	<input type="text"/>	
Sprockets left	<input type="text" value="65%"/>	
Front Carrier Rollers left	<input type="text"/>	
Front Carrier Rollers left	<input type="text" value="65%"/>	

Center Carrier Rollers left	<input type="text"/>
Center Carrier Rollers left	<input type="text" value="65%"/>
Rear Carrier Rollers left	<input type="text"/>
Rear Carrier Rollers left	<input type="text" value="65%"/>
Links right	<input type="text"/>
Links right	<input type="text" value="65%"/>
Internal pin wear right	<input type="text"/>
Internal pin wear right	<input type="text" value="65%"/>
External pin wear right	<input type="text"/>
External pin wear right	<input type="text" value="65%"/>
Trackshoe/ Grouser right	<input type="text"/>
Trackshoe/ Grouser right	<input type="text" value="65%"/>
Front Idler right	<input type="text"/>
Front Idler right	<input type="text" value="65%"/>
Sprockets right	<input type="text"/>
Sprockets right	<input type="text" value="65%"/>
Front Carrier Rollers right	<input type="text"/>
Front Carrier Rollers right	<input type="text" value="65%"/>
Center Carrier Rollers right	<input type="text"/>
Center Carrier Rollers right	<input type="text" value="65%"/>
Rear Carrier Rollers right	<input type="text"/>
Rear Carrier Rollers right	<input type="text" value="65%"/>
Bottom rollers S or D	<input type="text"/>
Undercarriage brand	<input type="text"/>
Link part number	<input type="text"/>
Pins & bushings turned	<input type="text"/>
Comment:	<input type="text"/>

**Bottom rollers S or D**

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

Bottom rollers S or D left (%)  
  
 Bottom rollers S or D left (mm)  
 mm

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

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

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

Comment:

**General Comments**

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

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

Comment: