

VOLVO - INSPECTION REPORT

Volvo, EC220EL - Track Excavators

Country: US
Date: 04/08/2020
Make: Volvo
Serial number: 310650

Dealer: Alta Equipment Company
Inspector: Anthony M
Model: EC220EL
Engine S/N: 12055895

Location: New Hudson
Year: 2016
Hours: 3259
Matris hours: 3274

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 checked="" type="checkbox"/> Yes Thumb - Manual
<input 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 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 type="checkbox"/> Yes Long undercarriage
<input type="checkbox"/> Yes Drill arrangement	<input 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 type="checkbox"/> Yes Cushion boom cylinder	<input type="checkbox"/> Yes Travel pedal
<input type="checkbox"/> Yes Forestry arrangement		

Comment:

Images

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	<input checked="" type="checkbox"/> Good
Wipers	<input checked="" type="checkbox"/> Good
Gauges	<input checked="" type="checkbox"/> Good
Hydraulic controls	<input checked="" type="checkbox"/> Good
Powertrain controls	<input checked="" type="checkbox"/> Good
AC cooling	<input checked="" type="checkbox"/> Good
CAB Interior	<input checked="" type="checkbox"/> Good

Operators station
condition summary

Comment:

Outside appearance

Steps [X] Good

Hand rails [X] Good

Counterweight / [X] Fair Remarks:

Bumper

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] Good

Fenders [X] Good

OEM Welds [X] Good

Sheet metal [X] Good

Paint [X] Good

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] Good

CAB [X] Good

Safety condition
summary

Comment:

Electrical condition

Computer [X] Good

ECM'S [X] Good

Monitor / Display [X] Good

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 [X] Good
switch
Electrical condition summary

Comment:

Engine condition

Oil level OK [X] No
Water in oil [X] No
Compression [X] No
Blow by [X] No
Engine knocking [X] No
CE PLATE [X] No
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	<input type="text" value="yellow"/>
Radiator	<input checked="" type="checkbox"/> Good
Water pump	<input checked="" type="checkbox"/> Good
Oil cooler	<input checked="" type="checkbox"/> Good
Fan	<input checked="" type="checkbox"/> Good
Fan drive	<input checked="" type="checkbox"/> Good
Hoses	<input checked="" type="checkbox"/> Good
Cooling system summary	<input type="text"/>
Comment:	<input type="text"/>

Hydraulics condition

Boom cylinders	<input checked="" type="checkbox"/> Good
Stick cylinders	<input checked="" type="checkbox"/> Good
Bucket cylinders	<input checked="" type="checkbox"/> Good
Blade cylinders	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Thumb cylinders	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Pumps	<input checked="" type="checkbox"/> Good
Valves	<input checked="" type="checkbox"/> Good
Hoses	<input checked="" type="checkbox"/> Good
Fittings	<input checked="" type="checkbox"/> Good
Tank	<input checked="" type="checkbox"/> Good
Swing bearing	<input checked="" type="checkbox"/> Good
Swing gear	<input checked="" type="checkbox"/> Good
Swing motor	<input checked="" type="checkbox"/> Good
Hydraulic swivel	<input checked="" type="checkbox"/> Good
Travel motors	<input checked="" type="checkbox"/> Good
Pump drive	<input checked="" type="checkbox"/> Good
Planetaries left	<input checked="" type="checkbox"/> Good
Planetaries right	<input checked="" type="checkbox"/> Good
Controls	<input checked="" type="checkbox"/> Good
Overall condition	<input checked="" type="checkbox"/> Good
Summary	<input type="text"/>
Comment:	<input type="text"/>

Boom & arm condition

Lower stick pins	<input checked="" type="checkbox"/> Fair Remarks: <input type="text" value="stick and H-link bushings and seals worn"/>
Upper stick pins	<input checked="" type="checkbox"/> Good
Stick condition	<input checked="" type="checkbox"/> Good

Stick length	<input type="text" value="3.5M"/>
Boom length	<input type="text" value="5.7M"/>
Lower boom pins	<input checked="" type="checkbox"/> Good
Upper boom pins	<input checked="" type="checkbox"/> Good
Boom condition	<input checked="" type="checkbox"/> Good
Summary	<input type="text"/>
Comment:	<input type="text" value="removed bucket"/>

Bucket & other attachments

Bucket type / Size	<input type="text" value="NO BUCKET"/>
Coupler type	<input type="text" value="NO COUPLER"/>
Bucket serial	<input type="text"/>
Coupler serial	<input type="text"/>
Bucket W / Teeth	<input checked="" type="checkbox"/> No
Addtl attachments	<input type="text" value="Solesbees thumb"/>
Bolt on smooth	<input checked="" type="checkbox"/> No
Bolt on edge	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Bucket mounts	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Bucket teeth / Segments	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Bucket sides	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Bucket floor	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Bucket bottom	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Coupler	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Boom / Frame	<input checked="" type="checkbox"/> Good
Boom / Bucket pins & bushings	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Summary	<input type="text"/>
Comment:	<input type="text" value="thumb worn out where stiff arm pins to thumb and stick"/>

Undercarriage condition

Roller frame right	[X] Good
Roller frame left	[X] Good
Track adjusters	[X] Good
Overall condition	[X] Fair Remarks: sprockets and chains need to be replaced. LH chain pops when driving some pins and bushings worn
Links left	102
Links left	25%
Internal pin wear left	192
Internal pin wear left	25%
External pin wear left	54
External pin wear left	10%
Trackshoe/ Grouser left	25
Trackshoe/ Grouser left	75%
Front Idler left	22
Front Idler left	50%
Sprockets left	1
Sprockets left	5%
Front Carrier Rollers left	123
Front Carrier Rollers left	50%
Center Carrier Rollers left	
Center Carrier Rollers left	
Rear Carrier Rollers left	123
Rear Carrier Rollers left	50%
Links right	102
Links right	25%
Internal pin wear right	192
Internal pin wear right	25%
External pin wear right	54
External pin wear right	10%
Trackshoe/ Grouser right	25
Trackshoe/ Grouser right	75%

Front Idler right	22
Front Idler right	50%
Sprockets right	1
Sprockets right	5%
Front Carrier Rollers right	123
Front Carrier Rollers right	50%
Center Carrier Rollers right	
Center Carrier Rollers right	
Rear Carrier Rollers right	123
Rear Carrier Rollers right	50%
Bottom rollers S or D	S
Undercarriage brand	Volvo
Link part number	
Pins & bushings turned	NO
Comment:	% is remaining. some track pads bent slightly

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)
154 mm	50%	154 mm
Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)
50%	154 mm	50%
Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)
154 mm	50%	154 mm
Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)
50%	154 mm	50%
Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)
154 mm	50%	154 mm
Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)
50%	154 mm	50%
Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)	Bottom rollers S or D right (mm)
154 mm	50%	154 mm
Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)	Bottom rollers S or D left (%)
50%	154 mm	50%
Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)
154 mm	50%	154 mm
Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)
50%	154 mm	50%
Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)	Bottom rollers S or D left (mm)
154 mm	50%	154 mm
Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)	Bottom rollers S or D right (%)
50%	154 mm	50%
Bottom rollers S or D left (mm)	Bottom rollers S or D left (%)	Bottom rollers S or D right (mm)
mm	mm	mm
Bottom rollers S or D right (%)		

Comment:

General Comments

Legend (5 star rating) 3

Paint general Good

Comment: