

# VOLVO - INSPECTION REPORT

## Volvo, ECR145D - Track Excavators

Country: US  
Date: 01/15/2020  
Make: Volvo  
Serial number: 210310

Dealer: Hoffman Equipment  
Inspector: Jeff  
Model: ECR145D  
Engine S/N: 11410232

Location: Deptford  
Year: 2017  
Hours: 4829  
Matris hours:

Comment:

### Equipped Configuration

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

Operators station  
condition summary

Comment:

## Outside appearance

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Steps [ X ] Good  
Hand rails [ X ] Good  
Counterweight / [ X ] Good  
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

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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 ] Fair Remarks:

Safety condition  
summary

Comment:

## Electrical condition

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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

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Oil level OK [ X ] Yes  
Water in oil [ X ] No  
Compression [ 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  
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	<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

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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 type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
Swing gear	<input checked="" type="checkbox"/> Good
Swing motor	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
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

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Lower stick pins	<input checked="" type="checkbox"/> Good
Upper stick pins	<input checked="" type="checkbox"/> Good
Stick condition	<input checked="" type="checkbox"/> Good

Stick length	<input type="text" value="3.0M"/>
Boom length	<input type="text" value="4.6M"/>
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"/>

**Bucket & other attachments**

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Bucket type / Size	<input type="text" value="No Bucket"/>
Coupler type	<input type="text" value="Pin grabber"/>
Bucket serial	<input type="text"/>
Coupler serial	<input type="text"/>
Bucket W / Teeth	<input type="checkbox"/> Yes <input type="checkbox"/> No
Addtl attachments	<input type="text"/>
Bolt on smooth	<input type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Good
Boom / Frame	<input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor Remarks: <input type="text"/>
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"/>

**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	95
Links left	90%
Internal pin wear left	692
Internal pin wear left	65%
External pin wear left	52
External pin wear left	65%
Trackshoe/ Grouser left	18
Trackshoe/ Grouser left	70%
Front Idler left	21
Front Idler left	85%
Sprockets left	3
Sprockets left	50%
Front Carrier Rollers left	114
Front Carrier Rollers left	60%
Center Carrier Rollers left	
Center Carrier Rollers left	
Rear Carrier Rollers left	
Rear Carrier Rollers left	
Links right	95
Links right	90%
Internal pin wear right	691
Internal pin wear right	75%
External pin wear right	53
External pin wear right	85%
Trackshoe/ Grouser right	19
Trackshoe/ Grouser right	85%

Front Idler right

Front Idler right

Sprockets right

Sprockets right

Front Carrier Rollers right

Front Carrier Rollers right

Center Carrier Rollers right

Center Carrier Rollers right

Rear Carrier Rollers right

Rear Carrier Rollers right

Bottom rollers S or D

Undercarriage brand

Link part number

Pins & bushings turned

Comment:

**Bottom rollers S or D**

Bottom rollers S or D left (mm) <input type="text" value="138"/> mm	Bottom rollers S or D left (%) <input type="text" value="70%"/>	Bottom rollers S or D right (mm) <input type="text" value="138"/> mm
Bottom rollers S or D right (%) <input type="text" value="70%"/>	Bottom rollers S or D left (mm) <input type="text" value="139"/> mm	Bottom rollers S or D left (%) <input type="text" value="75%"/>
Bottom rollers S or D right (mm) <input type="text" value="138"/> mm	Bottom rollers S or D right (%) <input type="text" value="70%"/>	Bottom rollers S or D left (mm) <input type="text" value="139"/> mm
Bottom rollers S or D left (%) <input type="text" value="75%"/>	Bottom rollers S or D right (mm) <input type="text" value="140"/> mm	Bottom rollers S or D right (%) <input type="text" value="80%"/>
Bottom rollers S or D left (mm) <input type="text" value="140"/> mm	Bottom rollers S or D left (%) <input type="text" value="80%"/>	Bottom rollers S or D right (mm) <input type="text" value="140"/> mm
Bottom rollers S or D right (%) <input type="text" value="80%"/>	Bottom rollers S or D left (mm) <input type="text" value="139"/> mm	Bottom rollers S or D left (%) <input type="text" value="75%"/>
Bottom rollers S or D right (mm) <input type="text" value="139"/> mm	Bottom rollers S or D right (%) <input type="text" value="75%"/>	Bottom rollers S or D left (mm) <input type="text" value="138"/> mm
Bottom rollers S or D left (%) <input type="text" value="70%"/>	Bottom rollers S or D right (mm) <input type="text" value="138"/> mm	Bottom rollers S or D right (%) <input type="text" value="70%"/>
Bottom rollers S or D left (mm) <input type="text"/>	Bottom rollers S or D left (%) <input type="text"/>	Bottom rollers S or D right (mm) <input type="text"/>
Bottom rollers S or D right (%) <input type="text"/>	Bottom rollers S or D left (mm) <input type="text"/>	Bottom rollers S or D left (%) <input type="text"/>
Bottom rollers S or D right (mm) <input type="text"/>	Bottom rollers S or D right (%) <input type="text"/>	Bottom rollers S or D left (mm) <input type="text"/>
Bottom rollers S or D left (%) <input type="text"/>	Bottom rollers S or D right (mm) <input type="text"/>	Bottom rollers S or D right (%) <input type="text"/>
Bottom rollers S or D left (mm) <input type="text"/>	Bottom rollers S or D left (%) <input type="text"/>	Bottom rollers S or D right (mm) <input type="text"/>
Bottom rollers S or D right (%) <input type="text"/>		

Comment:

## General Comments

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

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

Comment: