

Inspection Report (Excavator)

General Info

B&B Stock Number	A9088814
Year	2017
Make	Volvo
Model	EC160
Serial Number	VCEC160EA00310262
Hour Meter Reading	5009.3hrs
Previous Application (e.g., earth moving, mining, demolition, etc)	used in civil construction

Dimensions

A. Length (ft and inches)	28ft 5in
B. Width (ft and inches)	8ft 10in
C. Height (ft and inches)	10ft 5in
Operational Weight (lbs)	36,266 - 45,592lbs

Features and Configuration










Travel System	Track Undercarriage
Bucket	Yes
Bucket Specs	2ft 11 1/8th in. Wide, 3ft 1 1/4 in. High, 2ft 6 3/8th in. Deep
Blade	No
Additional Attachment(s)	Yes
Hydraulic Coupler	Yes
Auxiliary Hydraulics	No
Hydraulic Thumb	No
Heat	No
A/C	Yes
Radio	Yes
Backup Camera	Yes
Grade Control System	No
OMM (Operator & Maintenance Manual)	No
Telematics	No

Exterior Walkaround Photos

360 Walkaround & Operating Video

Walkaround Photos & Operating Video



















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Exterior Walkaround Photos	    
	   
Operating Video	Click to Download
Additional Video	Click to Download

General Appearance Inspection Points

General Appearance

General Appearance Photos

Close-up Exterior Photos	    
	    
	<p>This panel will not open.</p>
	    
	<p>cracked bottom windshield and large dent</p>
	  

General Appearance Inspection Points

Inspection Rating Criteria	<table border="1"> <thead> <tr> <th>Rating Scale</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>1 - Service Required</td> <td>Requires immediate repairs to function as expected.</td> </tr> <tr> <td>2 - Above Average Wear & Tear</td> <td>Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.</td> </tr> <tr> <td>3 - Normal Wear & Tear</td> <td>Exhibits wear that is consistent with age and usage. Operation is normal, and as expected.</td> </tr> <tr> <td>4 - Very Light or Minimal Wear</td> <td>Exhibits very minimal wear. Operation is better than expected given age and usage.</td> </tr> <tr> <td>5 - Like New, Recently Replaced</td> <td>Excellent condition, free of visible wear or damage. Operation is within factory specifications.</td> </tr> </tbody> </table>	Rating Scale	Explanation	1 - Service Required	Requires immediate repairs to function as expected.	2 - Above Average Wear & Tear	Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.	3 - Normal Wear & Tear	Exhibits wear that is consistent with age and usage. Operation is normal, and as expected.	4 - Very Light or Minimal Wear	Exhibits very minimal wear. Operation is better than expected given age and usage.	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
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Body Panels	2 - Above Average Wear & Tear												
Body Panel Condition	Visible chipped paint or dents, Large dents or cracks, Areas of surface rust observed												
Doors / Canopy Latches	2 - Above Average Wear & Tear												

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Doors / Canopy Latches Condition	Intermittent sticking observed on one or more latches/doors, Bent or damaged frame/components
Steps / Ladders	3 - Normal Wear & Tear
Steps / Ladders Condition	Steps/ladders are fully intact and appear structurally sound
Handrails	2 - Above Average Wear & Tear
Handrails Condition	Handrails are not structurally sound
Glass	2 - Above Average Wear & Tear
Glass Condition	Glass is broken or shattered
Mirrors	3 - Normal Wear & Tear
Mirror Condition	Mirrors present and intact, no visible damage
Exterior Lights	3 - Normal Wear & Tear
Exterior Lights Condition	One or more exterior lights are non-operational
Overall Exterior	3 - Normal Wear & Tear
Comments	1 compartment panel can't be opened, but the area can still be accessed by the door next to it. Some areas of rust were seen but is considered normal wear and tear for a 2017.



Control Station Inspection Points

Control Station

Control Station Photos

Control Station Photos					
					
					
					

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Serial Number Plate	
Hour Meter/Odometer	
Control Station Type	Enclosed Cab (EROPS)
Option List	Pilot Controls
Seat	3 - Normal Wear & Tear
Seat Condition	Seat(s) have minor surface staining or small tears, Seat belt secures properly, Seat belt is intact and in good condition
Cabin Lights	2 - Above Average Wear & Tear
Cabin Lights Condition	One or more light cover or bulb is missing, lighting system is operational
Safety Lock Out / Stop	3 - Normal Wear & Tear
Safety Lock Out / Stop Condition	Safety lock out device is present, in good condition, and functional
Controls & Switches	2 - Above Average Wear & Tear

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Controls & Switches Condition	Other (see comments)
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
Other Gauge Activity	2 - Above Average Wear & Tear
Other Gauge Condition	Gauges are functional, with some wear and/or cosmetic damage
Comments	The display screen is a little hard to read.
Heater & A/C	3 - Normal Wear & Tear
Heater & A/C Condition	Only cooling functionality works, Heater and A/C work as expected
Travel Alarm	3 - Normal Wear & Tear
Travel Alarm Condition	Travel alarm is installed and functioning as expected
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	3 - Normal Wear & Tear
Backup Camera Condition	Back up camera is installed and functioning as expected
Control Station Overall Rating	3 - Normal Wear & Tear
Control Station Overall Condition	Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling

Engine Inspection Points

Engine

Engine Compartment Photos

Inspection Report (Excavator)

Engine Data Plate	
Engine Compartment Photos	
	
Engine Type (Make, Model, Cylinders, Hp)	Volvo, D4J, 148hp,
Emissions Tier	Tier 4F
Engine Serial Number	12002817
Engine Fuel Type	Diesel
Blow-by (Visual Observation Check)	N/A
Unusual Noises (Upon Start-up, Idle, Shutdown)	No
Engine Smoke (Upon Start-up, Idle, Shutdown)	No
Engine Exhaust Color	Clear
Battery	3 - Normal Wear & Tear
Battery Condition	Dusty & dirty appearance
Radiator	3 - Normal Wear & Tear

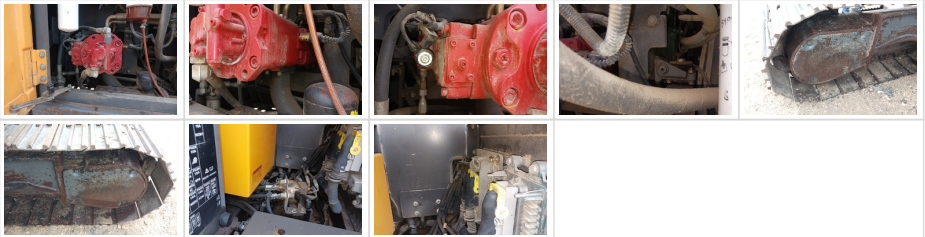
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Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	2 - Above Average Wear & Tear
Belt Condition	Areas of slick, glazed appearance on one or more belts
Hoses	3 - Normal Wear & Tear
Hose Condition	Firm, pliant hoses with no signs of wear or leaks
Water Pump	3 - Normal Wear & Tear
Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	No
Coolant Appearance	3 - Normal Wear & Tear
Coolant Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	No
Oil Appearance	3 - Normal Wear & Tear
Oil Appearance Notes	Appropriate oil level, Very dark, black & burnt oil appearance
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	Yes
DPF Condition	3 - Normal Wear & Tear
DPF Condition Notes	Filter housing is intact with no signs of damage or malfunction, DPF indicator is not illuminated
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Rating	3 - Normal Wear & Tear
Overall Engine Appearance	Very dirty, Dusty & dry
Overall Engine Comments	The engine appears to be in good working order, but should be examined further in conjunction with the hydraulic system to diagnose the loss of power under load

Drivetrain Inspection Points

Drivetrain


Drivetrain Inspection Points

Drivetrain Photos	
Hydrostatic Transmission?	Yes
Speeds	Unable to Verify
Drive Type	N/A (Track Undercarriage)

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Transmission Components	3 - Normal Wear & Tear
Transmission Condition	Other (see comments), Good forward and reverse function
Drive Motors	3 - Normal Wear & Tear
Parking Brake	3 - Normal Wear & Tear
Parking Brake Function	Good brake function
Overall Drivetrain Rating	3 - Normal Wear & Tear
Overall Drivetrain Comments	The drivetrain is in good operating condition

Chassis Inspection Points

Chassis Photos					
Boom Condition	3 - Normal Wear & Tear				
Stick Condition	3 - Normal Wear & Tear				
Boom Base Pin & Bushings	3 - Normal Wear & Tear				
Boom to Stick Pin & Bushings	3 - Normal Wear & Tear				
Stick to Bucket Pin & Bushings	3 - Normal Wear & Tear				
Turntable Bearing	3 - Normal Wear & Tear				
Bottom Covers	3 - Normal Wear & Tear				
Overall Chassis	3 - Normal Wear & Tear				
Overall Chassis Comments	The chassis is in good working order				

Travel System Inspection Points

Track Undercarriage

Basic Information

High Drive Configuration	No
Sealed and Lubricated Track Undercarriage (SALT)?	N/A
Oil Filled?	N/A
Grease Filled?	N/A
Low Ground Pressure (LGP)?	No
Track Shoe Width (inches)	27 1/2in
Length of Track on Ground (ft and inches)	11ft 4.5in
Number of Carrier Rollers (per side)	2

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Number of Rollers (per side)	7
Number of Shoes (per side)	34

Undercarriage Photos

Undercarriage Photos					
					
					








Undercarriage Inspection Points

Sprocket Teeth	3 - Normal Wear & Tear
Track Bushings	3 - Normal Wear & Tear
Track Frames	3 - Normal Wear & Tear
Pivot Shafts	3 - Normal Wear & Tear
Equalizer Bar & Joints	3 - Normal Wear & Tear
Front Idler	3 - Normal Wear & Tear
Track Tensioner	3 - Normal Wear & Tear
Track links	3 - Normal Wear & Tear
Bottom Rollers	3 - Normal Wear & Tear
Carrier Rollers	3 - Normal Wear & Tear
Overall Undercarriage	3 - Normal Wear & Tear
Overall Percent Estimate	70%
Overall Undercarriage Comments	The undercarriage is in good working order

Hydraulics Overall Inspection Points

Hydraulics Overall


Hydraulic System Inspection Points

Hydraulic System Photos					
					
Wet or Damp Hydraulic Lines / Fittings	No				


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Hydraulic Lines/Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Hydraulic lines & fittings are clean and in good condition
Hydraulic Pump(s)	3 - Normal Wear & Tear
Unusual Noises	No
Hydraulic Pump Notes	No unusual noises heard during operation

Hydraulic Cylinder Inspection Points

Hydraulic Cylinder Photos				
Mounting Pins	3 - Normal Wear & Tear			
Cylinder Oil Leaks	No			
Hydraulic System Overall	3 - Normal Wear & Tear			
Comments	The hydraulic components appear to be in good condition, and while no unusual noises were heard during operation. The pump and system overall need further diagnosis to determine the cause and full extent of the loss of power under load			

Bucket Inspection Points

Attachment Photos				
Bucket	3 - Normal Wear & Tear			
Bucket Teeth	3 - Normal Wear & Tear			
Blade	0			
Blade Edge	0			

Functional Test

Functionality Assessment

Functionality Assessment

Engine	3 - Normal Wear & Tear
Transmission/Drivetrain	3 - Normal Wear & Tear
Travel (Forward/Reverse/Steering)	3 - Normal Wear & Tear
Brakes	3 - Normal Wear & Tear
Hydraulic System	3 - Normal Wear & Tear
Electric Operating System	0
Controls	3 - Normal Wear & Tear
Safety Systems	3 - Normal Wear & Tear

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Core Functions	1 - Service Required
Comments	The machine will lose power if you start to operate it.
Attachments	3 - Normal Wear & Tear
Overall Functional Test Comments	The machine loses power when it is operated. The reason for this issue was not known.

Overall Assessment

Overall Assessment

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Exterior Rating	2 - Above Average Wear & Tear	
Interior Rating	3 - Normal Wear & Tear	
Safety Rating	2 - Above Average Wear & Tear	
Quality Rating	2 - Above Average Wear & Tear	
Functionality Rating	1 - Service Required	
Overall Rating	1 - Service Required	
What's Great About the Machine	The machines engine started right up without any issues, and the carrier rollers were recently replaced	
What Needs Work	The machine loses power when you operate it at a normal rate. The reason for this was not known.	
Any Additional Info from the Seller?	They are looking into the power loss situation.	
Date/Time	01-18-2024	
Inspector Name	Steven Mesa	