

# REPLACEMENT PARTS GUIDE

## E230 Excavator (PIN: 1YNE23B\_\_\_C00001— ) (PIN: 1YNE23B\_\_\_D00001— )



### AIR FILTER DUST UNLOADER VALVE

[R48568](#)

Interval (hrs) - 1000.



### ENGINE VALVE COVER GASKET

[R524499](#)

Interval (hrs) - 2000.



### CAB FRESH AIR FILTER

[AT439042](#)

Interval (hrs) - 1000.



### CAB RECIRCULATING AIR FILTER

[WY19796](#)

Interval (hrs) - 1000.



### ENGINE FAN/ACCESSORY DRIVE BELT

[T404888](#)

Interval (hrs) - 2000.



### ENGINE CRANKSHAFT DAMPER

[RE508577](#)

Interval (hrs) - 4000.



### HYDRAULIC OIL RETURN FILTER

[AT491643](#)

Interval (hrs) - 2000.



### HYDRAULIC TANK BREATHER FILTER ELEMENT

[WY21319](#)

Interval (hrs) - 2000.



### PRIMARY AIR FILTER ELEMENT

[AT178516](#)

Interval (hrs) - 1000.



### SECONDARY AIR FILTER ELEMENT

[AT178517](#)

Interval (hrs) - 1000.



### ENGINE OIL FILTER

[RE504836](#)

Interval (hrs) - 500.



### AUXILIARY FUEL FILTER

[AT365870](#)

Interval (hrs) - 500.



### PRIMARY FUEL FILTER

[RE551507](#)

Interval (hrs) - 500.



### FINAL FUEL FILTER

[RE560681](#)

Interval (hrs) - 500.

# OILS AND CAPACITIES INFORMATION

## E230 Excavator (PIN: 1YNE23B\_\_\_C000001— ) (PIN: 1YNE23B\_\_\_D000001— )

Part Description	Qty or Capacity	Change Interval In Hours
Engine Oil <sup>a</sup>	14.7 L (3.9 gal)	500
Swing Gear Case Oil <sup>f</sup>	4.0 L (4.2 qt)	1000
Track Drive Gear Case Oil <sup>f</sup> (each)	4.4 L (1.2 gal)	1000
Hydraulic Oil <sup>c</sup>	260.0 L (68.7 gal)	4000
Engine Coolant <sup>f</sup>	26.0 L (6.9 gal)	6000
Fluid Analysis Test Kits <sup>g</sup>		
Engine Oil	1	250
Swing Gear Case Oil	1	500
Track Drive Gear Case Oil	2	500
Hydraulic Oil	1	500
Engine Coolant	1	500
Diesel Fuel	1	500
<p><sup>a</sup>For recommended service intervals, if the machine is operating at high altitude, see Diesel Engine Oil and Filter Service Interval for Operation at High Altitude—Stage III Engines.</p> <p><sup>b</sup>Replace engine air filters at monitor indication or 1000 hours, whichever occurs first.</p> <p><sup>c</sup>For recommended change intervals, if using hydraulic hammer on machine, see Hydraulic Hammer Attachment.</p> <p><sup>d</sup>After engine valve clearance adjustment, install new gasket.</p> <p><sup>e</sup>Not required on the E210, E210LC, and E230LC.</p> <p><sup>f</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p> <p><sup>g</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. See an authorized John Deere dealer.</p>		

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**CLICK PART NUMBER TO BUY**

\*See operator's manual for additional details.

## Service Intervals

As Required	
• Check and adjust track tension	• Check or clean track frames
• Inspect or replace bucket joint O-rings	• Inspect or replace cab fresh air filter and recirculating air filter
• Drain auxiliary fuel filter with water separator	• Drain primary fuel filter with water separator
• Lubricate cab door hinges	
Every 10 Hours or Daily	
• Check engine oil level	• Check hydraulic tank oil level
• Check engine coolant level	• Check or clean engine air filter dust unloader valve
• Lubricate bucket and linkage	
Every 50 Hours	
• Lubricate boom, arm, and cylinders	• Lubricate boom cylinder base ends
Initial Service—100 Hours	
• Check and adjust track shoe cap screws torque	
Every 250 Hours	
• Take engine oil sample	• Lubricate swing bearing
Every 500 Hours	
• Drain and refill engine oil and replace engine oil filter <sup>a</sup>	• Replace auxiliary fuel filter
• Replace primary fuel filter	• Replace final fuel filter
• Drain water or sediment from the fuel tank sump	• Check swing gear case oil level
• Check swing gear pinion grease level	• Check track drive gear case oil level
• Take fluid samples and analyze hydraulic oil, fuel, gear case oil, and engine coolant	
Every 1000 Hours	
• Drain and refill swing gear case oil	• Drain and refill track drive gear case oil
• Replace cab fresh air and recirculating air filters	• Replace engine air filters and dust unloader valve
• Lubricate swing gear case bearing	
Every 2000 Hours	
• Replace hydraulic tank breather filter	• Replace hydraulic oil return filter
• Inspect and clean hydraulic pilot mesh filter	• Clean case drain screen fittings
• Inspect or replace engine fan/accessory drive belt	• Adjust engine valve clearance
Every 4000 Hours	
• Drain and refill hydraulic oil <sup>c</sup>	• Clean hydraulic tank suction strainer
• Clean hydraulic tank magnetic plug	• Replace engine crankshaft damper <sup>d</sup>
Every 6000 Hours	
• Drain and refill engine coolant	