




# REPLACEMENT PARTS GUIDE


## 320 P Backhoe Loader (PIN: 1T0320PA\_\_F\_02265 )





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**ENGINE AIR FILTER ELEMENT—PRIMARY**  
[AT332908](#)  
 Interval (hrs) - As required.
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**ENGINE AIR FILTER ELEMENT—SECONDARY**  
[AT332909](#)  
 Interval (hrs) - As required.
- 


**ENGINE OIL FILTER ELEMENT**  
[RE504836](#)  
 Interval (hrs) - 500.
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**PRIMARY FUEL FILTER ELEMENT**  
[DZ115391](#)  
 Interval (hrs) - 500.
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**FINAL FUEL FILTER ELEMENT**  
[DZ115390](#)  
 Interval (hrs) - 500.
- 


**OPEN CRANKCASE VENTILATION (OCV) FILTER ELEMENT**  
[DZ105796](#)  
 Interval (hrs) - 2000.
- 


**ENGINE ROCKER ARM COVER GASKET**  
[R524468](#)  
 Interval (hrs) - 2000.
- 


**DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER ELEMENT (IF EQUIPPED)**  
[DZ114640](#)  
 Interval (hrs) - 2000.
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**IN-LINE DIESEL EXHAUST FLUID (DEF) FILTER ELEMENT (IF EQUIPPED)**  
[DZ124403](#)  
 Interval (hrs) - 6000.





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**HYDRAULIC TANK BREATHER FILTER**  
[AT101565](#)  
 Interval (hrs) - 1000.
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**FUEL TANK BREATHER FILTER**  
[H216169](#)  
 Interval (hrs) - 1000.
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**TRANSMISSION OIL FILTER ELEMENT**  
[AT466863](#)  
 Interval (hrs) - 1000.
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**HYDRAULIC OIL FILTER ELEMENT**  
[AT495722](#)  
 Interval (hrs) - 1000.
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**CAB FRESH AIR FILTER ELEMENT (IF EQUIPPED)**  
[AT191102](#)  
 Interval (hrs) - As Required.
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**CAB RECIRCULATION AIR FILTER ELEMENT (IF EQUIPPED)**  
[AT184590](#)  
 Interval (hrs) - As Required.
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**DIESEL EXHAUST FLUID (DEF) BREATHER FILTER (IF EQUIPPED)**  
[H216169](#)  
 Interval (hrs) - 4000.



# OIL AND CAPACITIES INFORMATION

## 320 P Backhoe Loader (PIN: 1T0320PA\_\_F\_02265 )

Part Description		Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>1,3</sup>		13.0 L (3.4 gal)	500
John Deere Hy-Gard™ Transmission Oil <sup>3</sup>		15.1 L (4.0 gal)	1000
John Deere Hy-Gard™ MFWD Planetary Housing Oil (each side)(if equipped) <sup>3</sup>		0.9 L (.24 gal)	2000
John Deere Hy-Gard™ MFWD Front Axle Housing Oil <sup>3</sup> (if equipped)		6.5 L (1.7 gal)	2000
John Deere Hy-Gard™ Rear Axle and Planetary Oil (each side) <sup>3</sup>		18.0 L (4.8 gal)	2000
John Deere Hydrau™ Hydraulic Oil <sup>3</sup>		45.5 L (12 gal)	2000
John Deere Cool-Gard™ II Pre-Mix (cab)		27.5 L (7.3 gal)	6000
John Deere Cool-Gard™ II Pre-Mix (canopy)		25.7 L (6.8 gal)	6000
Fluid Analysis Kits <sup>2</sup>			
Part Description	Part Number	Qty or capacity	Change Interval In Hours
Transmission Oil	<a href="#">AT346594</a>	1	500
Hydraulic Oil	<a href="#">AT346594</a>	1	500
Engine Coolant	<a href="#">TY27787</a>	1	500
Diesel Engine Oil	<a href="#">AT346594</a>	1	250
<p><sup>1</sup>Based on difficult operating conditions, some machines may require more frequent service intervals than the standard 500 hours. If operating in conditions at or above 1829 m (6000 ft), with biodiesel blends greater than B20, or in difficult conditions, perform service interval every 250 hours to maintain better engine performance.</p> <p><sup>2</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer.</p> <p><sup>3</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p>			

Plus-50 is a trademark of Deere & Company

Hy-Gard is a trademark of Deere & Company

Hydrau is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company



## Service intervals

320 P Backhoe Loader (PIN: 1T0320PA__F_02265)	
<b>As Required</b>	
<input type="checkbox"/> Inspect and check tires pressure	<input type="checkbox"/> Check and add windshield washer fluid level (if equipped)
<input type="checkbox"/> Check wheel fastener's torque	<input type="checkbox"/> Lubricate non-powered front wheel bearings (if equipped)
<input type="checkbox"/> Replace cab fresh air and recirculation filters (if equipped)	<input type="checkbox"/> Replace primary and secondary engine air cleaner filter elements
<input type="checkbox"/> Check air conditioning system refrigerant charge and system oil charge	<input type="checkbox"/> Inspect and clean cooling system
<input type="checkbox"/> Drain water and sediment from fuel filters	
<b>Every 10 Hours or Daily</b>	
<input type="checkbox"/> Check coolant level	<input type="checkbox"/> Lubricate backhoe hydraulic coupler (if equipped)
<input type="checkbox"/> Check hydraulic reservoir oil level	<input type="checkbox"/> Lubricate backhoe spring coupler (if equipped)
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Lubricate backhoe coupler mechanical jack (if equipped)
<input type="checkbox"/> Lubricate loader pivot points	<input type="checkbox"/> Lubricate backhoe swing cylinder and pivots
<input type="checkbox"/> Lubricate loader quick coupler (if equipped)	<input type="checkbox"/> Lubricate non-powered front axle steering pivots (if equipped)
<input type="checkbox"/> Lubricate front axle pivot pin	<input type="checkbox"/> Lubricate mechanical front wheel drive (MFWD) front axle and universal joints (if equipped)
<input type="checkbox"/> Lubricate stabilizer pivots and cylinder pins	<input type="checkbox"/> Lubricate multi-purpose bucket (if equipped)
<input type="checkbox"/> Lubricate backhoe boom and crowd cylinders and pivots	<input type="checkbox"/> Lubricate backhoe bucket cylinder and pivots
<b>Every 250 Hours</b>	
<input type="checkbox"/> Check mechanical front wheel drive (MFWD) planetary housing oil level (if equipped)	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check mechanical front wheel drive (MFWD) front axle housing oil level (if equipped)	<input type="checkbox"/> Lubricate mechanical front wheel drive (MFWD) drive shaft spline (if equipped)
<input type="checkbox"/> Check rear axle oil level	<input type="checkbox"/> Check engine oil sample (if equipped)
<b>Every 500 Hours</b>	
<input type="checkbox"/> Check transmission oil, hydraulic oil and coolant sample (if equipped)	<input type="checkbox"/> Drain and refill engine oil and replace filter element
<input type="checkbox"/> Check air intake hose	<input type="checkbox"/> Replace primary and final fuel filter
<input type="checkbox"/> Check boom to dipperstick pin bolt	<input type="checkbox"/> Clean engine crankcase ventilation tube
<input type="checkbox"/> Drain water and sediment from fuel tank	



## Service intervals

Every 1000 Hours	
<input type="checkbox"/> Check coolant condition	<input type="checkbox"/> Replace hydraulic reservoir breather
<input type="checkbox"/> Clean, pack and adjust non-powered front wheel bearings (if equipped)	<input type="checkbox"/> Replace fuel breather
<input type="checkbox"/> Replace transmission oil filter	<input type="checkbox"/> Drain and refill transmission oil
<input type="checkbox"/> Replace hydraulic oil filter	<input type="checkbox"/> Check automatic belt tensioner and belt wear
Every 2000 Hours	
<input type="checkbox"/> Drain and refill mechanical front wheel drive (MFWD) planetary housing (if equipped)	<input type="checkbox"/> Inspect and clean hydraulic reservoir fill screen
<input type="checkbox"/> Drain and refill mechanical front wheel drive (MFWD) front axle housing (if equipped)	<input type="checkbox"/> Drain and refill hydraulic reservoir
<input type="checkbox"/> Drain and refill rear axle and planetary oil	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter	
Every 4000 Hours	
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header baffle
<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill coolant	<input type="checkbox"/> Replace in-line diesel exhaust fluid (DEF) filter

