













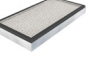




# REPLACEMENT PARTS GUIDE

310L Backhoe Loader (PIN: 1T0310LX\_\_F390996— )











-  **ENGINE AIR FILTER ELEMENT—PRIMARY**  
[AT332908](#)  
Interval (hrs) - As required.
-  **ENGINE AIR FILTER ELEMENT—SECONDARY**  
[AT332909](#)  
Interval (hrs) - As required.
-  **ENGINE OIL FILTER ELEMENT<sup>2</sup>**  
[RE504836](#)  
Interval (hrs) - 500.
-  **PRIMARY FUEL FILTER ELEMENT**  
[DZ115391](#)  
Interval (hrs) - 500.
-  **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**  
[DZ114640](#)  
Interval (hrs) - 2000.
-  **IN-LINE DIESEL EXHAUST FLUID (DEF) FILTER ELEMENT<sup>3</sup>**  
[DZ110513](#)  
Interval (hrs) - 6000.



-  **HYDRAULIC TANK BREATHER FILTER**  
[AT101565](#)  
Interval (hrs) - 1000.
-  **FUEL TANK BREATHER FILTER**  
[H216169](#)  
Interval (hrs) - 1000.
-  **CAB FRESH AIR FILTER ELEMENT (IF EQUIPPED)**  
[AT191102](#)  
Interval (hrs) - As required.
-  **CAB RECIRCULATION FILTER ELEMENT (IF EQUIPPED)**  
[AT184590](#)  
Interval (hrs) - As Required.
-  **TRANSMISSION OIL FILTER ELEMENT**  
[AT466863](#)  
Interval (hrs) - 1000.
-  **HYDRAULIC OIL FILTER ELEMENT**  
[AT495722](#)  
Interval (hrs) - 1000.
-  **DIESEL EXHAUST FLUID (DEF) HEADER SUCTION BAFFLE**  
[AT483376](#)  
Interval (hrs) - 4000.
-  **DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER**  
[H216169](#)  
Interval (hrs) - 4000.

# PARTS AND CAPACITIES INFORMATION

## 310L Backhoe Loader (PIN: 1T0310LX\_\_F390996— )

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>2, 4</sup> 	<a href="#">TY26669</a>	13.0 L(3.4 gal)	500
John Deere Hy-Gard™ Transmission Oil <sup>4</sup> 	<a href="#">TY6354</a>	15.1 L(4.0 gal)	1000
John Deere Hy-Gard™ MFWD Axle Planetary Housing Oil (each side)(if equipped) <sup>4</sup> 	<a href="#">TY6354</a>	0.9 L(1.0 qt)	2000
John Deere Hy-Gard™ MFWD Axle Housing Oil <sup>4</sup> (ifequipped) 	<a href="#">TY6354</a>	6.5 L(1.7 gal)	2000
John Deere Hy-Gard™ Rear Axle and Planetary Housing Oil (each side) <sup>4</sup> 	<a href="#">TY6354</a>	18.0 L(4.8 gal)	2000
John Deere Hydrau™ Hydraulic Oil <sup>4</sup> (310SL, 310SL HL, and 410L only) 	<a href="#">TY27367</a>	44.6 L(11.8 gal)	2000
John Deere Cool-Gard™ II Pre-Mix (cab) 	<a href="#">TY26575</a>	27.5 L(7.3 gal)	6000
John Deere Cool-Gard™ II Pre-Mix (canopy) 	<a href="#">TY26575</a>	25.7 L(6.8 gal)	6000
<b>Fluid Analysis Kits<sup>4</sup></b>			
Transmission Oil	<a href="#">AT346594</a>	1	500
Rear Axle Oil	<a href="#">AT346594</a>	1	500
MFWD Axle Oil (if equipped)	<a href="#">AT346594</a>	1	500
Hydraulic Oil	<a href="#">AT346594</a>	1	500
Diesel Fuel	<a href="#">TY27329</a>	1	500
Engine Coolant	<a href="#">TY27787</a>	1	500
<p><sup>2</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 better maintain engine performance.</p> <p><sup>4</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.</p>			

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Hy-Gard is a trademark of Deere & Company  
Hydrau is a trademark of Deere & Company  
Cool-Gard is a trademark of Deere & Company



**CLICK PART NUMBER TO BUY**

\*See operator's manual for additional details.

## Service Intervals

310L Backhoe Loader (PIN: 1T0310LX__F390996—)	315SL Backhoe Loader (PIN: 1T0315SL__F390996—)
310SL Backhoe Loader (PIN: 1T0310SL__F390996—)	410L Backhoe Loader (PIN: 1T0410LX__F390996—)
310SL HL Backhoe Loader (PIN: 1T0310HL__F390996—)	
<b>SERVICE INTERVALS</b>	
Service machine at intervals shown on this chart. Also, perform service on items at multiples of the original requirement. For example: at 500 hours, also service those items (if applicable) listed under 250 hours or 10 hours or daily.	
<b>FLUID SAMPLING</b>	
Take fluid samples from each system as indicated on this form. The manufacturer of the fluid analysis kits will provide maintenance recommendations based upon the results of the fluid analysis and the operating information supplied. Regular fluid sampling extends the operational life of machine.	
<b>As Required</b>	
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Check windshield washer fluid level (if equipped)
<input type="checkbox"/> Check wheel fastener torque	<input type="checkbox"/> Lubricate non-powered front wheel bearings (if equipped) <sup>1</sup>
<input type="checkbox"/> Inspect cab fresh air and recirculation filter elements (if equipped)	<input type="checkbox"/> Replace primary and secondary engine air filter elements
<input type="checkbox"/> Service exhaust filter	<input type="checkbox"/> Inspect and clean cooling system
<input type="checkbox"/> Drain water and sediment from fuel filters	<input type="checkbox"/> Clean and tighten battery terminals
<input type="checkbox"/> Check air conditioning system refrigerant charge and system oil charge (if equipped)	
<b>Every 10 Hours or Daily</b>	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Lubricate backhoe bucket cylinder and pivots
<input type="checkbox"/> Check hydraulic system oil level	<input type="checkbox"/> Lubricate backhoe swing cylinder and pivots
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Lubricate non-powered front axle steering pivots (if equipped)
<input type="checkbox"/> Lubricate loader pivots	<input type="checkbox"/> Lubricate mechanical front wheel drive (MFWD) axle steering pivots (if equipped)
<input type="checkbox"/> Lubricate loader quick coupler (if equipped)	<input type="checkbox"/> Lubricate mechanical front wheel drive (MFWD) axle universal joints (if equipped)
<input type="checkbox"/> Lubricate backhoe boom, crowd cylinders, and pivots	<input type="checkbox"/> Lubricate multipurpose bucket pivots (if equipped)
<input type="checkbox"/> Lubricate backhoe hydraulic coupler (if equipped)	<input type="checkbox"/> Lubricate power sideshift cylinder joints (if equipped) (315SL only)
<input type="checkbox"/> Lubricate backhoe spring coupler (if equipped)	<input type="checkbox"/> Lubricate top and bottom slideframe rails (315SL only)
<input type="checkbox"/> Lubricate stabilizer pivots and cylinder pins (310L, 310SL, 310SLHL, and 410L only)	<input type="checkbox"/> Lubricate front axle oscillation pin
<input type="checkbox"/> Lubricate backhoe coupler mechanical jack (if equipped)	
<b>Every 250 Hours</b>	
<input type="checkbox"/> Take engine oil sample	<input type="checkbox"/> Check rear axle oil level
<input type="checkbox"/> Check mechanical front wheel drive (MFWD) axle planetary housing oil level (if equipped)	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check mechanical front wheel drive (MFWD) axle housing oil level (if equipped)	<input type="checkbox"/> Lubricate mechanical front wheel drive (MFWD) drive shaft spline (if equipped)
<b>Every 500 Hours</b>	
<input type="checkbox"/> Check air intake hose	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Check boom-to-dipperstick pin bolt torque	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Drain water and sediment from fuel tank	<input type="checkbox"/> Take rear axle oil sample
<input type="checkbox"/> Drain and refill engine oil and replace filter element <sup>2</sup>	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Replace primary fuel filter element	<input type="checkbox"/> Take diesel fuel sample

<input type="checkbox"/> Replace final fuel filter element	<input type="checkbox"/> Take mechanical front wheel drive (MFWD) axle oil sample (if equipped)
<b>Every 1000 Hours</b>	
<input type="checkbox"/> Check coolant condition	<input type="checkbox"/> Replace hydraulic tank breather filter
<input type="checkbox"/> Clean, pack, and adjust non-powered front wheel bearings (if equipped)	<input type="checkbox"/> Replace fuel tank breather filter
<input type="checkbox"/> Drain and refill transmission oil and replace filter element	<input type="checkbox"/> Inspect accessory drive belt and automatic tensioner
<input type="checkbox"/> Replace hydraulic oil filter element	
<b>Every 2000 Hours</b>	
<input type="checkbox"/> Drain and refill mechanical front wheel drive (MFWD) axle planetary housing oil (if equipped)	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter element
<input type="checkbox"/> Drain and refill mechanical front wheel drive (MFWD) axle housing oil (if equipped)	<input type="checkbox"/> Drain and refill hydraulic system oil
<input type="checkbox"/> Drain and refill rear axle and planetary housing oil	<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter element
<input type="checkbox"/> Inspect and clean hydraulic tank fill screen	<input type="checkbox"/> Check and adjust engine valve lash
<b>Every 4000 Hours</b>	
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter	<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank
<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction baffle	
<b>Every 6000 Hours</b>	
<input type="checkbox"/> Drain and refill cooling system	<input type="checkbox"/> Replace in-line diesel exhaust fluid (DEF) filter element <sup>3</sup>