


















REPLACEMENT PARTS GUIDE









310SL HL Backhoe Loader (PIN: 1T0310HL__F390996—)



 ENGINE AIR FILTER ELEMENT—PRIMARY AT332908 Interval (hrs) - As required.	1	 HYDRAULIC TANK BREATHER FILTER AT101565 Interval (hrs) - 1000.	10
 ENGINE AIR FILTER ELEMENT—SECONDARY AT332909 Interval (hrs) - As required.	2	 FUEL TANK BREATHER FILTER H216169 Interval (hrs) - 1000.	11
 ENGINE OIL FILTER ELEMENT² RE504836 Interval (hrs) - 500.	3	 CAB FRESH AIR FILTER ELEMENT (IF EQUIPPED) AT191102 Interval (hrs) - As required.	12
 PRIMARY FUEL FILTER ELEMENT DZ115391 Interval (hrs) - 500.	4	 CAB RECIRCULATION FILTER ELEMENT (IF EQUIPPED) AT184590 Interval (hrs) - As Required.	13
 FINAL FUEL FILTER ELEMENT DZ115390 Interval (hrs) - 500.	5	 TRANSMISSION OIL FILTER ELEMENT AT466863 Interval (hrs) - 1000.	14
 OPEN CRANKCASE VENTILATION (OCV) FILTER ELEMENT DZ105796 Interval (hrs) - 2000.	6	 HYDRAULIC OIL FILTER ELEMENT AT495722 Interval (hrs) - 1000.	15
 ENGINE ROCKER ARM COVER GASKET R524468 Interval (hrs) - 2000.	7	 DIESEL EXHAUST FLUID (DEF) HEADER SUCTION BAFFLE AT483376 Interval (hrs) - 4000.	16
 DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER ELEMENT DZ114640 Interval (hrs) - 2000.	8	 DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER H216169 Interval (hrs) - 4000.	17
 IN-LINE DIESEL EXHAUST FLUID (DEF) FILTER ELEMENT³ DZ110513 Interval (hrs) - 6000.	9		

PARTS AND CAPACITIES INFORMATION

310SL HL Backhoe Loader (PIN: 1T0310HL_ _F390996—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ^{2, 4} 	TY26669	13.0 L(3.4 gal)	500
John Deere Hy-Gard™ Transmission Oil ⁴ 	TY6354	15.1 L(4.0 gal)	1000
John Deere Hy-Gard™ MFWD Axle Planetary Housing Oil (each side)(if equipped) ⁴ 	TY6354	0.9 L(1.0 qt)	2000
John Deere Hy-Gard™MFWD Axle Housing Oil ⁴ (ifequipped) 	TY6354	6.5 L(1.7 gal)	2000
John Deere Hy-Gard™ Rear Axle and Planetary Housing Oil (each side) ⁴ 	TY6354	18.0 L(4.8 gal)	2000
John Deere Hydrau™ Hydraulic Oil ⁴ (310SL, 310SL HL, and 410L only) 	TY27367	44.6 L(11.8 gal)	2000
John Deere Cool-Gard™ II Pre-Mix (cab) 	TY26575	27.5 L(7.3 gal)	6000
John Deere Cool-Gard™ II Pre-Mix (canopy) 	TY26575	25.7 L(6.8 gal)	6000
Fluid Analysis Kits⁴			
Transmission Oil	AT346594	1	500
Rear Axle Oil	AT346594	1	500
MFWD Axle Oil (if equipped)	AT346594	1	500
Hydraulic Oil	AT346594	1	500
Diesel Fuel	TY27329	1	500
Engine Coolant	TY27787	1	500
<p>²Based 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>⁴See 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



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—)	
SERVICE INTERVALS	
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.	
FLUID SAMPLING	
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.	
As Required	
<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) ¹
<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)	
Every 10 Hours or Daily	
<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)	
Every 250 Hours	
<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)
Every 500 Hours	
<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 ²	<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)
Every 1000 Hours	
<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	
Every 2000 Hours	
<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
Every 4000 Hours	
<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	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill cooling system	<input type="checkbox"/> Replace in-line diesel exhaust fluid (DEF) filter element ³