

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 (if equipped) 	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
² 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. ⁴ See operator's manual for recommended oil type and oil viscosities based on operating temperatures.			

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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—)	
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 and 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	
☐ Inspect tires and check pressure	☐ Check windshield washer fluid level (if equipped)
☐ Check wheel fastener torque	☐ Lubricate non-powered front wheel bearings (if equipped) ¹
☐ Inspect cab fresh air and recirculation filter elements (if equipped)	☐ Replace primary and secondary engine air filter elements
☐ Service exhaust filter	☐ Inspect and clean cooling system
☐ Drain water and sediment from fuel filters	☐ Clean and tighten battery terminals
☐ Check air conditioning system refrigerant charge and system oil charge (if equipped)	
Every 10 Hours or Daily	
☐ Check engine coolant level	☐ Lubricate backhoe bucket cylinder and pivots
☐ Check hydraulic system oil level	☐ Lubricate backhoe swing cylinder and pivots
☐ Check engine oil level	☐ Lubricate non-powered front axle steering pivots (if equipped)
☐ Lubricate loader pivots	☐ Lubricate mechanical front wheel drive (MFWD) axle steering pivots (if equipped)
☐ Lubricate loader quick coupler (if equipped)	☐ Lubricate mechanical front wheel drive (MFWD) axle universal joints (if equipped)
☐ Lubricate backhoe boom, crowd cylinders, and pivots	☐ Lubricate multipurpose bucket pivots (if equipped)
☐ Lubricate backhoe hydraulic coupler (if equipped)	☐ Lubricate power sideshift cylinder joints (if equipped) (315SL only)
☐ Lubricate backhoe spring coupler (if equipped)	☐ Lubricate top and bottom slideframe rails (315SL only)
☐ Lubricate stabilizer pivots and cylinder pins (310L, 310SL, 310SLHL, and 410L only)	☐ Lubricate front axle oscillation pin
☐ Lubricate backhoe coupler mechanical jack (if equipped)	
Every 250 Hours	
☐ Take engine oil sample	☐ Check rear axle oil level
☐ Check mechanical front wheel drive (MFWD) axle planetary housing oil level (if equipped)	☐ Check transmission oil level
☐ Check mechanical front wheel drive (MFWD) axle housing oil level (if equipped)	☐ Lubricate mechanical front wheel drive (MFWD) drive shaft spline (if equipped)
Every 500 Hours	
☐ Check air intake hose	☐ Take hydraulic oil sample
☐ Check boom-to-dipperstick pin bolt torque	☐ Take transmission oil sample
☐ Drain water and sediment from fuel tank	☐ Take rear axle oil sample
☐ Drain and refill engine oil and replace filter element ²	☐ Take engine coolant sample
☐ Replace primary fuel filter element	☐ Take diesel fuel sample



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



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