
















REPLACEMENT PARTS GUIDE

BHL 320 P-Tier (PIN: 1YN320PA__ CA00001)
 BHL 320 P-Tier (PIN: 1YN320PA__ DA00001)



	AIR FILTER, HYDRAULIC RESERVOIR AT101565 Interval (hrs) - 1000.
	HYDRAULIC OIL FILTER AT495722 Interval (hrs) - 1000
	ENGINE OIL FILTER RE504836 Interval (hrs) - 500.
	ENGINE AIR FILTER ELEMENT, SECONDARY AT332909 Interval (hrs) - As Required.
	ENGINE AIR FILTER ELEMENT, PRIMARY AT332908 Interval (hrs) - As Required.
	PRIMARY FUEL FILTER AT491450 Interval (hrs) - 500
	FUEL FILTER ELEMENT, SECONDARY RE544394 Interval (hrs) - 500
	ROCKER VALVE COVER GASKET R524499 Interval (hrs) - 2000.



	FUEL FILTER ELEMENT, PRIMARY RE509031 Interval (hrs) - 500.
	GASKET, 4 CYL ROCKER ARM COVER R524468 Interval (hrs) - 2000.
	ROCKER ARM COVER GASKET R524480 Interval (hrs) - 2000.
	FUEL TANK BREATHER H216169 Interval (hrs) - 1000.
	CAB AIR FILTER AT184590 Interval (hrs) - As Required.
	CAB AIR FILTER AT191102 Interval (hrs) - As Required.
	TRANSMISSION OIL FILTER AT466863 Interval (hrs) - 1000.

OIL AND CAPACITIES INFORMATION

BHL 320 P-Tier (PIN: 1YN320PA__ CA00001)

BHL 320 P-Tier (PIN: 1YN320PA__ DA00001)

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ^{2,3}	13.0 L (3.4 gal)	500
John Deere Hy-Gard™ Transmission Oil ^{3,5}	15.1 L (4.0 gal)	1000
John Deere Hy-Gard™ MFWD Axle Planetary Housing Oil ³ (each side) (if equipped) ³	0.9 L (1.0 qt)	2000
John Deere Hy-Gard™ MFWD Axle Housing Oil ³ (if equipped) ³	6.5 L (1.7 gal)	2000
John Deere Hy-Gard™ Rear Axle and Planetary Housing Oil ³	18.0 L (4.8 gal)	2000
John Deere Hydrau™ Hydraulic System Oil ³	45.0 L (11.9 gal)	2000
John Deere Cool-Gard™ II Pre-Mix (cab)	27.5 L (7.3 gal)	6000

OIL AND CAPACITIES INFORMATION

BHL 320 P-Tier (PIN: 1YN320PA__ CA00001)

BHL 320 P-Tier (PIN: 1YN320PA__ DA00001)

Fluid Analysis Kits ⁴			
Part Description	Description	Qty or capacity	Change Interval In Hours
Diesel Engine Oil	AT346594	1	250
Transmission Oil	AT346594	1	500
Rear Axle Oil	AT346594	2	500
MFWD Axle Oil (if equipped)	AT346594	1	500
Hydraulic Oil	AT346594	1	500
Diesel Fuel	TY27329	1	500
Engine Coolant	TY27787	1	500

¹ Lubricate daily when operating in mud and water.

² Based on difficult operating conditions, some machines may require more frequent service intervals than the standard 500 hours. If operating

³ 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.

⁵ Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer

⁶ The capacity indicated includes the transmission sump, cooler, and torque converter.

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 II is a trademark of Deere & Company

Service Intervals

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	
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Lubricate non-powered front wheel bearings (if equipped) ¹
<input type="checkbox"/> Check wheel fasteners	<input type="checkbox"/> Replace primary and secondary engine air filter elements
<input type="checkbox"/> Drain water and sediment from fuel filters	<input type="checkbox"/> Inspect and clean cooling system
<input type="checkbox"/> Check windshield washer fluid level (if equipped)	<input type="checkbox"/> Clean and tighten battery terminals
<input type="checkbox"/> Inspect cab fresh air and recirculation filter elements (if equipped)	<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 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 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 and 325SL only)
<input type="checkbox"/> Lubricate stabilizer pivots and cylinder pins (310L EP, 310L, 310SL, 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 engine coolant sample
<input type="checkbox"/> Check boom-to-dipperstick pin bolt torque	<input type="checkbox"/> Take hydraulic 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 mechanical front wheel drive (MFWD) axle oil sample (if equipped)
<input type="checkbox"/> Replace primary fuel filter element	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Replace final fuel filter element	<input type="checkbox"/> Take diesel fuel sample

Service Intervals

<input type="checkbox"/> Clean engine crankcase ventilation tube	
Every 1000 Hours	
<input type="checkbox"/> Check coolant condition	<input type="checkbox"/> Replace hydraulic tank breather filter
<input type="checkbox"/> Drain and refill transmission oil and replace filter element	<input type="checkbox"/> Replace fuel tank breather filter
<input type="checkbox"/> Replace hydraulic oil filter element	<input type="checkbox"/> Inspect accessory drive belt and automatic tensioner
<input type="checkbox"/> Clean, pack, and adjust non-powered front wheel bearings (if equipped)	
Every 2000 Hours	
<input type="checkbox"/> Drain and refill mechanical front wheel drive (MFWD) axle planetary housing oil (if equipped)	<input type="checkbox"/> Inspect and clean hydraulic tank fill screen
<input type="checkbox"/> Drain and refill mechanical front wheel drive (MFWD) axle housing oil (if equipped)	<input type="checkbox"/> Drain and refill hydraulic tank oil
<input type="checkbox"/> Drain and refill rear axle and planetary housing oil	<input type="checkbox"/> Check and adjust engine valve lash
Every 6000 Hours	
<input type="checkbox"/> Drain and refill cooling system	