







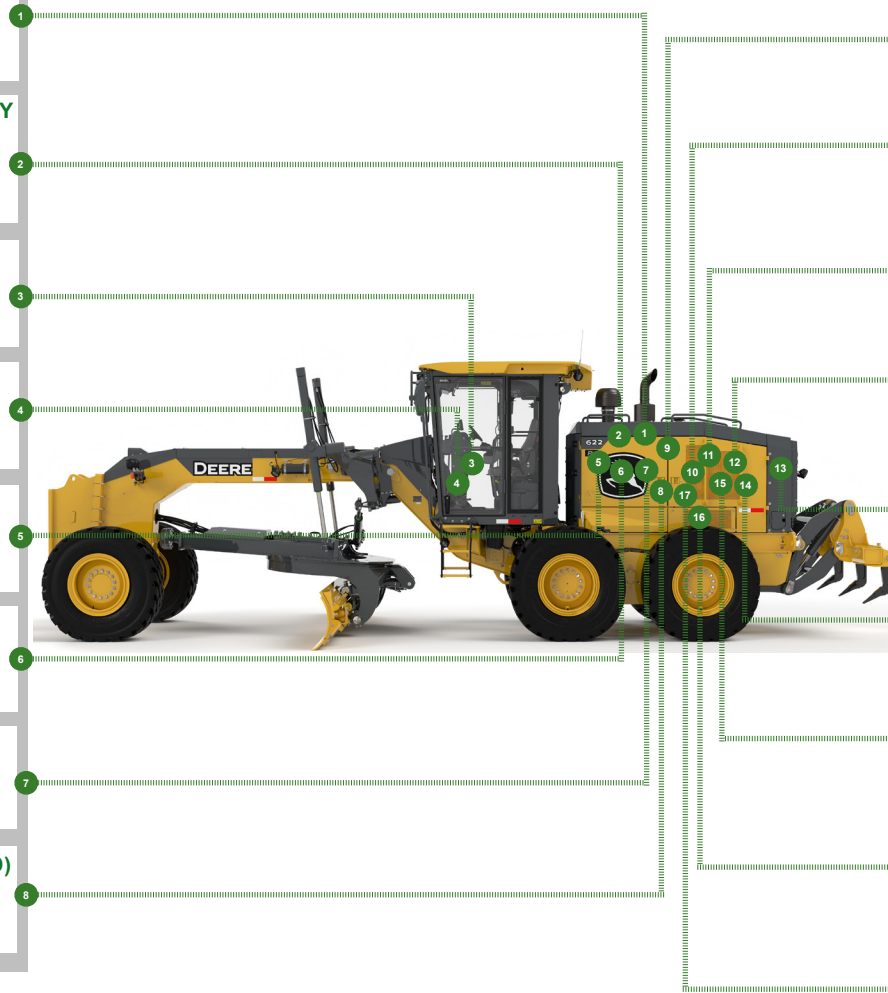











# REPLACEMENT PARTS GUIDE

622 P Motor Grader (PIN: 1BZ622GA\_\_C\_00001— )  
 622 P Motor Grader (PIN: 1BZ622GA\_\_D\_00001— )



	<b>ENGINE AIR FILTER ELEMENT (PRIMARY FILTER)</b> <a href="#">AT178516</a> Interval (hrs) - As Required.
	<b>ENGINE AIR FILTER ELEMENT (SECONDARY FILTER)</b> <a href="#">AT178517</a> Interval (hrs) - As Required.
	<b>CAB FRESH AIR FILTER</b> <a href="#">AT191102</a> Interval (hrs) - As Required.
	<b>CAB RECIRCULATION AIR FILTER</b> <a href="#">AT307501</a> Interval (hrs) - As Required.
	<b>ENGINE ROCKER ARM COVER GASKET</b> <a href="#">R524497</a> Interval (hrs) - 2000.
	<b>HYDRAULIC TANK BREATHER FILTER</b> <a href="#">AT101565</a> Interval (hrs) - 2000.
	<b>ENGINE CRANKSHAFT DAMPER</b> <a href="#">RE508578</a> Interval (hrs) - 4500.
	<b>6WD HYDRAULIC OIL FILTER (IF EQUIPPED)</b> <a href="#">AT367840</a> Interval (hrs) - 2000.



	<b>PRIMARY FUEL FILTER ELEMENT</b> <a href="#">RE541922</a> Interval (hrs) - 500.
	<b>FINAL FUEL FILTER ELEMENT</b> <a href="#">RE522878</a> Interval (hrs) - 500.
	<b>HYDRAULIC OIL FILTER</b> <a href="#">AT367840</a> Interval (hrs) - 2000.
	<b>FUEL TANK BREATHER</b> <a href="#">H216169</a> Interval (hrs) - 1000.
	<b>AXLE OIL FILTER</b> <a href="#">AT335492</a> Interval (hrs) - 2000.
	<b>ENGINE OIL FILTER</b> <a href="#">RE504836</a> Interval (hrs) - 500.
	<b>TRANSMISSION OIL FILTER</b> <a href="#">AT335492</a> Interval (hrs) - 2000.
	<b>REAR AXLE BREATHER FILTER</b> <a href="#">AT101565</a> Interval (hrs) - 2000.
	<b>AUXILIARY FUEL FILTER (IF EQUIPPED)</b> <a href="#">AT365869</a> Interval (hrs) - 500.



# OIL AND CAPACITIES INFORMATION

622 P Motor Grader (PIN: 1BZ622GA\_\_C\_00001— )

622 P Motor Grader (PIN: 1BZ622GA\_\_D\_00001— )

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>2</sup>	26.0 L (6.9 gal)	500
John Deere Hydrau™ Hydraulic System Oil <sup>2</sup>	53.0 L (14.0 gal)	4000
John Deere Hy-Gard™ 6WD Hub Oil <sup>2</sup> (if equipped) (each)	7.2 L (1.9 gal)	1000
John Deere Hy-Gard™ Transmission and Axle Oil <sup>2</sup>	66.4 L (17.5 gal)	2000
John Deere Hy-Gard™ Tandem Oil <sup>2</sup> (each)	74.0 L (19.5 gal)	4000
John Deere Hy-Gard™ Circle Gear Case Oil <sup>2</sup> (standard circle)	5.7 L (1.5 gal)	2000
John Deere Hy-Gard™ Circle Gear Case Oil <sup>2</sup> (premium circle)	6.4 L (1.7 gal)	4500
John Deere Cool-Gard™ II Pre-Mix	44.0 L (11.6 gal)	6000
Fluid Analysis Kits		
Diesel Engine Oil	1	250
Transmission Oil	1	500
Axle Oil	1	500
Tandem Oil	2	500
Hydraulic Oil	1	500
6WD Hub Oil (if equipped)	2	500
Diesel Fuel	1	500
Engine Coolant	1	500
<sup>1</sup> Perform initial service once after the first 500 hours of operation.		
<sup>2</sup> See operator's manual for recommended oil type and oil viscosities based on operating temperatures.		
<sup>3</sup> Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult a Local John Deere dealer.		

Plus-50 is a trademark of Deere & Company

Hydrau is a trademark of Deere & Company

Hy-Gard is a trademark of Deere & Company

Cool-Gard is a trademark of Deere & Company



## Service intervals

622 P Motor Grader (PIN: 1BZ622GA__C_00001— ) 622 P Motor Grader (PIN: 1BZ622GA__D_00001— )	
<b>As Required</b>	
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Inspect accessory belt and belt tensioner spring
<input type="checkbox"/> Clean and tighten battery terminals	<input type="checkbox"/> Replace engine air intake filter elements
<input type="checkbox"/> Clean battery compartment	<input type="checkbox"/> Drain fuel tank sump
<input type="checkbox"/> Replace cab fresh air and cab recirculation filters	<input type="checkbox"/> Drain primary fuel filter and water separator
<input type="checkbox"/> Lubricate circle pinion (standard circle)	<input type="checkbox"/> Drain auxiliary fuel filter and water separator (if equipped)
<input type="checkbox"/> Check tire pressure	<input type="checkbox"/> Check camera (if equipped)
<input type="checkbox"/> Check blade circle and draft frame wear inserts (standard circle)	<input type="checkbox"/> Transmission control unit (TCU) calibration
<input type="checkbox"/> Check blade lift cylinder sockets	<input type="checkbox"/> 6WD controller calibration (if equipped)
<input type="checkbox"/> Lubricate saddle locking pin holes	<input type="checkbox"/> Cross slope sensors calibration (if equipped)
<input type="checkbox"/> Blade side shift wear insert adjustment	<input type="checkbox"/> Hydraulic valves calibration (if equipped)
<b>Every 10 Hours or Daily</b>	
<input type="checkbox"/> Check hydraulic tank oil level	<input type="checkbox"/> Check engine oil level
<input type="checkbox"/> Check transmission oil level	<input type="checkbox"/> Check engine coolant surge tank level
<b>Every 50 Hours</b>	
<input type="checkbox"/> Lubricate frame hinge pivots	<input type="checkbox"/> Lubricate front axle steering pin
<input type="checkbox"/> Lubricate lift cylinders	<input type="checkbox"/> Lubricate tie rod ends
<input type="checkbox"/> Lubricate draft frame ball	<input type="checkbox"/> Lubricate steering cylinders
<input type="checkbox"/> Lubricate dozer blade (if equipped)	<input type="checkbox"/> Lubricate midmount scarifier (if equipped)
<input type="checkbox"/> Lubricate front axle oscillation pin	<input type="checkbox"/> Lubricate circle side shift cylinder
<input type="checkbox"/> Lubricate front axle lean pivot casting pins	<input type="checkbox"/> Lubricate saddle locking pin
<input type="checkbox"/> Lubricate front axle lean bar pivot	
<b>Every 250 Hours</b>	
<input type="checkbox"/> Check hybrid battery electrolyte level (if equipped)	<input type="checkbox"/> Take engine oil sample
<b>Initial Service—Every 500 Hours<sup>1</sup></b>	
<input type="checkbox"/> Replace axle oil filter	<input type="checkbox"/> Replace transmission oil filter



## Service intervals

Every 500 Hours	
<input type="checkbox"/> Check tandem oil level	<input type="checkbox"/> Replace primary fuel filter and water separator
<input type="checkbox"/> Check axle oil level	<input type="checkbox"/> Replace auxiliary fuel filter and water separator (if equipped)
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Drain and refill engine oil (quick service) (if equipped)	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Lubricate tandem pivots	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Check circle gear case oil level (standard circle)	<input type="checkbox"/> Take tandem oil sample
<input type="checkbox"/> Check brake accumulator	<input type="checkbox"/> Take 6WD hub oil sample (if equipped)
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Check 6WD hub oil level (if equipped)	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Lubricate circle ring gear (premium circle)	
Every 1000 Hours	
<input type="checkbox"/> Drain and refill 6WD hub oil (if equipped)	<input type="checkbox"/> Check coolant condition
<input type="checkbox"/> Adjust front wheel bearings (standard axle only)	<input type="checkbox"/> Replace fuel tank breather
<input type="checkbox"/> Check engine air intake hoses	
Every 2000 Hours	
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Replace axle oil filter
<input type="checkbox"/> Drain and refill transmission oil	<input type="checkbox"/> Replace hydraulic oil filter
<input type="checkbox"/> Drain and refill transmission oil (quick service) (if equipped)	<input type="checkbox"/> Replace transmission oil filter
<input type="checkbox"/> Replace rear axle breather filter and hydraulic tank breather filter	<input type="checkbox"/> Replace 6WD hydraulic oil filter (if equipped)
<input type="checkbox"/> Drain and refill circle gear case oil (standard circle)	<input type="checkbox"/> Clean engine crankcase ventilation tube
<input type="checkbox"/> Check and adjust engine valve lash	
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic tank oil	<input type="checkbox"/> Drain and refill tandem oil
<input type="checkbox"/> Drain and refill hydraulic tank oil (quick service) (if equipped)	<input type="checkbox"/> Clean transmission pump inlet screen
<input type="checkbox"/> Drain and refill circle gear case oil (premium circle)	
Every 4500 Hours	
<input type="checkbox"/> Replace engine crankshaft damper	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill cooling system	<input type="checkbox"/> Drain and refill cooling system (quick service) (if equipped)
<sup>1</sup> Perform initial service once after the first 500 hours of operation	

