

# REPLACEMENT PARTS GUIDE

## 544K (PIN: 1DW544K\_\_D670308—)



### ENGINE AIR FILTER ELEMENT—PRIMARY

[AT300487](#)

Interval (hrs) - 1000.



### ENGINE AIR CLEANER DUST UNLOADER VALVE

[M89679](#)

Interval (hrs) - 1000.



### HYDRAULIC RESERVOIR BREATHER FILTER

[AM39653](#)

Interval (hrs) - As Required.



### ENGINE AIR FILTER ELEMENT—SECONDARY

[AT314583](#)

Interval (hrs) :1000.



### AUXILIARY FUEL FILTER—IF EQUIPPED

[AT365870](#)

Interval (hrs) :500



### PRIMARY FUEL FILTER

[RE529643](#)

Interval (hrs) - 500.



### CRANKSHAFT DAMPER

[RE505881](#)

Interval (hrs) - 4000.



### TRANSMISSION OIL FILTER

[AT468647](#)

Interval (hrs) - 2000



### HYDRAULIC SYSTEM RETURN FILTER

[AT475966](#)

Interval (hrs):4000.



### ENGINE ROCKER ARM COVER GASKET

[R524469](#)

Interval (hrs) - 2000.



### CAB RECIRCULATING FILTER

[AT307501](#)

Interval (hrs) - As Required.



### CAB FRESH AIR FILTER

[AT191102](#)

Interval (hrs) - As Required.



### FINAL FUEL FILTER

[RE522878](#)

Interval (hrs) - 500.



### ENGINE OIL FILTER

[RE504836](#)

Interval (hrs) - 500.



### IN-LINE FUEL STRAINER

[AT223493](#)

Interval (hrs) - 500.



### AXLE OIL FILTERS—IF EQUIPPED

[AT367635](#)

Interval (hrs) - 1000.



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# OIL & CAPACITIES INFORMATION

544K (PIN: 1DW544K\_ \_ \_D670308— )

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>3</sup>	19.0 L (5.0 gal)	500
John Deere Hydrau™ Hydraulic Oil <sup>3</sup>	92.0 L (24.3 gal)	4000
John Deere Hy-Gard™ Front Axle Oil <sup>3</sup>	17.0 L (4.5 gal)	2000
John Deere Hy-Gard™ Rear Axle Oil <sup>3</sup>	17.0 L (4.5 gal)	2000
John Deere Hy-Gard™ Park Brake Oil <sup>3</sup>	300 mL (10.0 fl oz)	1000
John Deere Hy-Gard™ Transmission Oil <sup>3</sup>	21.5 L (5.6 gal)	2000
John Deere Cool-Gard™ II Pre-Mix	22.5 L (5.9 gal)	6000

# OIL & CAPACITIES INFORMATION

544K (PIN: 1DW544K\_ \_ \_D670308— )

Part Description	Qty or capacity	Change Interval In Hours
<b>Fluid Analysis Test Kits<sup>4</sup></b>		
Engine Oil	1	250
Transmission Oil	1	500
Axle Oil	2	500
Hydraulic Oil	1	500
Diesel Fuel	1	500
Engine Coolant	1	500

<sup>3</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.<sup>3</sup>See operator's manual for recommended oil type and oil viscosities based on operating temperatures.  
<sup>4</sup>Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized 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*



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**CLICK PART NUMBER TO BUY**

**\*See operator's manual for additional details.**

## Service Intervals

As Required	
• Inspect tires and check pressure	• Check rear camera and radar object detection (ROD) system—if equipped
• Check wheel bolt torque	• Drain water from auxiliary fuel filter and water separator—if equipped
• Inspect engine air cleaner elements	• Drain water from primary fuel filter with water separator
• Clean cooler cores	• Drain water from final fuel filter
• Inspect air conditioner compressor and alternator belt	• Check and clean or replace cab fresh air filter
• Check windshield washer fluid level	• Check and clean or replace cab recirculating air filter
Every 10 Hours or Daily	
• Clean engine air cleaner dust unloader valve	• Check hydraulic system oil level
• Check coolant level at surge tank	• Check transmission oil level
• Check engine oil level	• Inspect outer pin seals—if equipped
Every 100 Hours	
• Lubricate loader linkage and cylinder pivots	
Initial Service—250 Hours <sup>1</sup>	
• Drain and refill front and rear axle oil	• Replace axle oil filters—if equipped
Every 250 Hours	
• Take engine oil sample	
Every 500 Hours	
• Lubricate driveline upper and lower sliding joints and lower U-joints	• Replace final fuel filter
• Check front and rear axle oil level	• Replace hydraulic reservoir breather filter
• Check battery water level and terminals	• Take diesel fuel sample
• Check air intake hoses and charge air cooler tube couplings	• Take hydraulic oil sample
• Replace in-line fuel strainer	• Take engine coolant sample
• Replace auxiliary fuel filter with water separator—if equipped	• Take axle oil sample
• Drain and refill engine oil and replace filter	• Take transmission oil sample
• Replace primary fuel filter with water separator	• Check park brake oil level
• Check ride control accumulator—if equipped	• Lubricate front and rear park brake shaft seals
• Lubricate front and rear axle shaft seal	
Every 1000 Hours	
• Replace engine air cleaner dust unloader valve	• Replace axle oil filters—if equipped
• Replace engine air cleaner elements	• Lubricate frame hinge pivots
• Check coolant condition	• Drain and refill park brake oil
• Remove and clean engine crankcase vent tube	
Every 2000 Hours	
• Drain and refill front and rear axle oil	• Rerun transmission clutch calibration (cab monitor)
• Drain and refill transmission oil and replace filter <sup>2</sup>	• Check and adjust engine valve lash
• Clean front and rear axle oil recirculation screens—if equipped	• Replace outer pin seals—if equipped
Every 4000 Hours	
• Clean hydraulic pump case drain in-line screen	• Drain, flush, and refill hydraulic system oil
• Replace hydraulic system return filter	• Clean hydraulic system fill strainer
• Replace crankshaft damper	
Every 5000 Hours	
• Check driveline damper for cracks	
Every 6000 Hours	
• Drain and refill cooling system	