






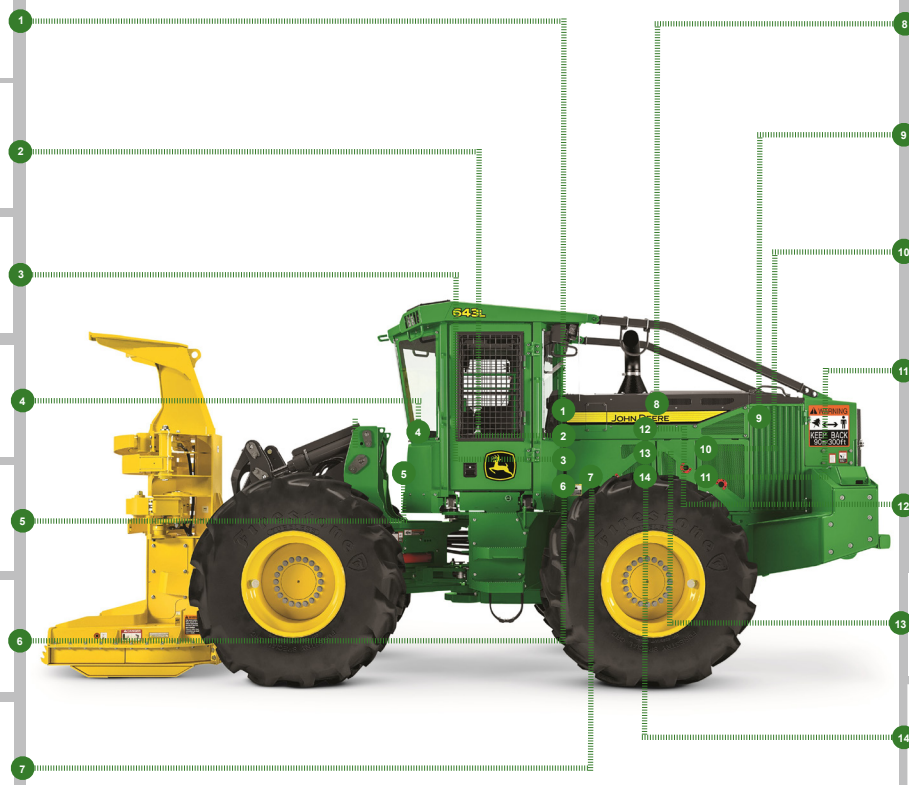









# REPLACEMENT PARTS GUIDE

## 643L (PIN: 1DW643L\_\_C666898—)



	<b>HYDRAULIC RESERVOIR BREATHER FILTER</b> <a href="#">AT421408</a> Interval (hrs) - 4000
	<b>HYDRAULIC SYSTEM OIL FILTER ELEMENT</b> <a href="#">F061786</a> Interval (hrs) - 2000
	<b>PRIMARY AIR FILTER</b> <a href="#">AT308575</a> Interval (hrs) - As required
	<b>Cab Recirculating Air Filter Element</b> <a href="#">AT307501</a> Interval (hrs) - As required
	<b>Secondary Air Filter</b> <a href="#">TT220747</a> Interval (hrs) - As required
	<b>Cab Fresh Air Filter Element</b> <a href="#">AT191102</a> Interval (hrs) - As required
	<b>Dust Unloader Valve</b> <a href="#">T158495</a> Interval (hrs) - As required










	<b>ENGINE ROCKER ARM COVER GASKET</b> <a href="#">R524497</a> Interval (hrs) - 2000
	<b>ENGINE CRANKSHAFT DAMPER</b> <a href="#">RE508578</a> Interval (hrs) - 4000
	<b>AUXILIARY FUEL FILTER ELEMENT</b> <a href="#">AT365870</a> Interval (hrs) - 500
	<b>HYDROSTATIC OIL FILTER</b> <a href="#">T366738</a> Interval (hrs) - 1000
	<b>ENGINE OIL FILTER ELEMENT</b> <a href="#">RE504836</a> Interval (hrs) - 500
	<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



# OILS AND CAPACITIES INFORMATION

643L (PIN: 1DW643L\_\_C666898— )

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>4</sup> 	<a href="#">TY26669</a>	24.0 L (6.3 gal)	500
John Deere Hydrau™ Hydraulic System Oil <sup>4</sup> 	<a href="#">TY27367</a>	169.1 L (44.7 gal)	4000
John Deere Hy-Gard™ Oil: Park Brake <sup>4</sup> 	<a href="#">TY6354</a>	0.8 L (27.0 fl oz)	1000
John Deere Hy-Gard™ Oil: Gear Case <sup>4</sup> 	<a href="#">TY6354</a>	4.0 L (4.2 qt)	1000
John Deere Hy-Gard™ Oil: Axle—1400 (each) <sup>4</sup> 	<a href="#">TY6354</a>	28.0 L (7.4 gal)	1000
John Deere Hy-Gard™ Oil: Axle—SWEDA (each) <sup>4</sup> 	<a href="#">TY6354</a>	28.4 L (7.5 gal)	1000
John Deere Cool-Gard™ II Pre-Mix 	<a href="#">TY26575</a>	30.7 L (8.1 gal)	6000

# OILS AND CAPACITIES INFORMATION

643L (PIN: 1DW643L\_\_C666898— )

Part Description	Part Number	Qty or capacity	Change Interval In Hours
<b>Fluid Analysis Test Kits<sup>5</sup></b>			
Diesel Engine Oil	<a href="#">AT346594</a>	1	250
Hydraulic Oil	<a href="#">AT346594</a>	1	500
Gear Case Oil	<a href="#">AT346594</a>	1	500
Park Brake Oil	<a href="#">AT346594</a>	1	500
Axle Oil	<a href="#">AT346594</a>	2	500
Diesel Fuel	<a href="#">AT180344</a>	1	500
Engine Coolant	<a href="#">TY27787</a>	1	500

<sup>4</sup> See operator's manual for recommended oil type and oil viscosities based on operating temperatures

<sup>5</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*

## Service Intervals

As Required	
• Clean cooler cores	• Fill and charge pressurized water system (if equipped)
• Inspect accessory drive belt	• Check fire extinguisher charge
• Replace engine air cleaner elements	• Lubricate cab door hinges
• Check tire pressure	• Check cab recirculating air filter
• Check wheel bolt torque	• Check cab fresh air filter
• Clean fuel tank inlet screen	
Every 10 Hours or Daily	
• Check engine coolant level	• Clean engine air intake precleaner screen
• Check engine oil level	• Check and clean engine air cleaner dust unloader valve
• Check hydraulic system oil level	• Lubricate articulation points
• Check and drain primary fuel filter and water separator	• Lubricate lift and tilt cylinders, arms, and links
• Check and drain auxiliary fuel filter and water separator	
Every 100 Hours	
• Lubricate front axle pinion seal and park brake seals	• Lubricate rear axle pivots, pinion seal, and hydraulic steering cylinder pins
Initial Service—250 Hours	
• Drain and refill axle oil	• Drain and refill two-speed gear case oil
Every 250 Hours	
• Take engine oil sample	
Every 500 Hours	
• Drain and refill engine oil and replace filter	• Remove and clean open crankcase ventilation (OCV) hose
• Replace primary fuel filter and water separator	• Check engine air intake hoses
• Replace auxiliary fuel filter and water separator	• Take two-speed gear case oil sample
• Replace final fuel filter	• Take hydraulic oil sample
• Check axle oil level	• Take axle oil sample
• Check park brake oil level	• Take park brake oil sample
• Check two-speed gear case oil level	• Take engine coolant sample
• Lubricate front, rear, and articulation drive shafts	• Take diesel fuel sample
Initial Service—1000 Hours	
• Replace hydrostatic oil filter	
Every 1000 Hours	
• Drain and refill park brake oil	• Drain and refill two-speed gear case oil
• Drain and refill axle oil	• Check coolant condition
Initial Service—2000 Hours	
• Replace hydraulic system oil filter	
Every 2000 Hours	
• Check and adjust engine valve lash	• Inspect engine crankshaft damper
• Replace hydrostatic oil filter	
Every 4000 Hours	
• Drain and refill hydraulic system oil	• Replace hydraulic reservoir breather filter
• Replace hydraulic system oil filter	• Replace engine crankshaft damper
Every 6000 Hours	
• Drain and refill engine cooling system	