









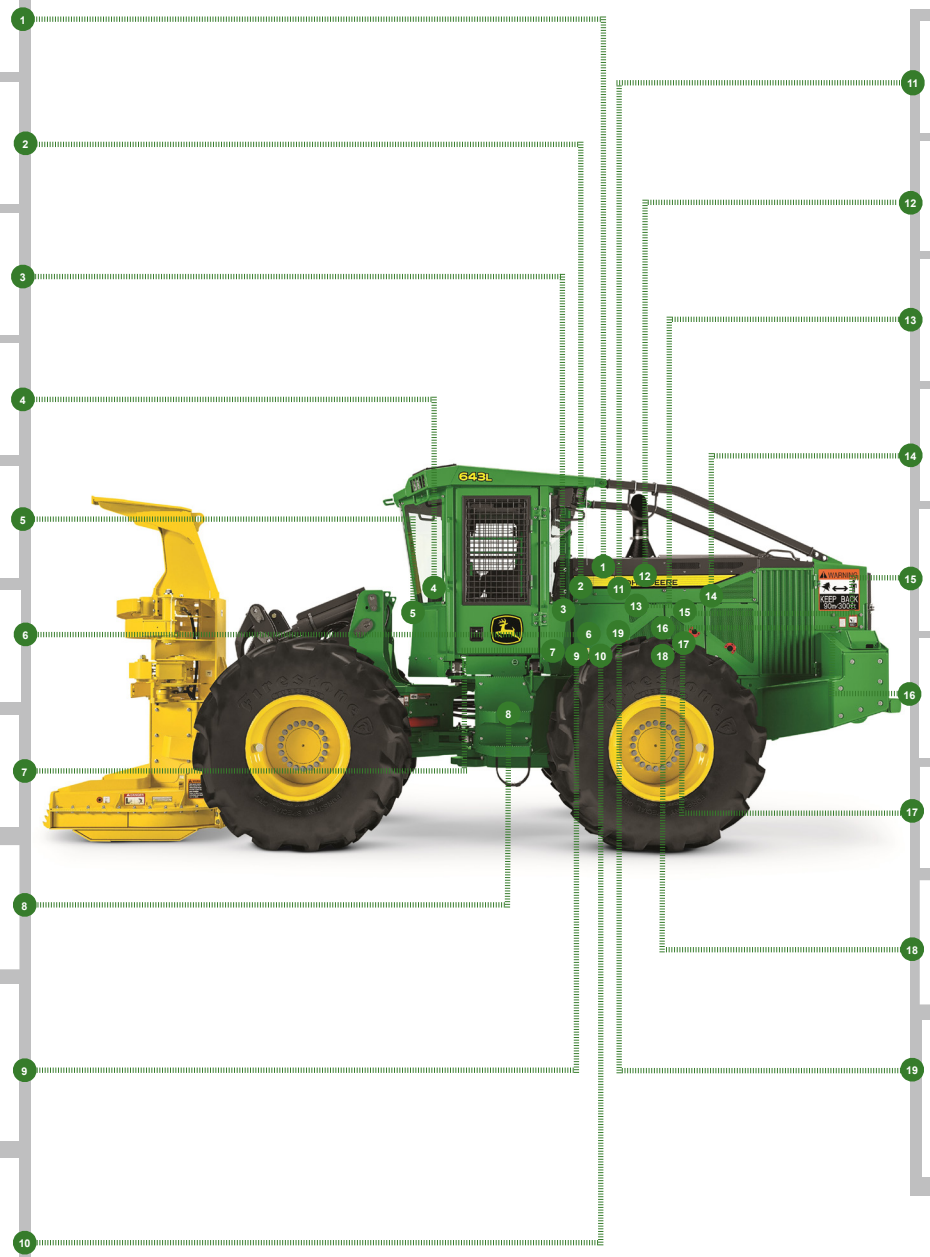











REPLACEMENT PARTS GUIDE

643L (PIN: 1DW643L__F666898—)



	HYDRAULIC RESERVOIR BREATHER FILTER AT421408 Interval (hrs) - 4000
	PRIMARY AIR FILTER AT223226 Interval (hrs) - As required
	SECONDARY AIR FILTER AT175224 Interval (hrs) - As required
	CAB RECIRCULATING AIR FILTER ELEMENT AT307501 Interval (hrs) - As required
	CAB FRESH AIR FILTER ELEMENT AT191102 Interval (hrs) - As required
	AIR CLEANER DUST UNLOADER VALVE T158495 Interval (hrs) - As required
	DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER H216169
	DIESEL EXHAUST FLUID (DEF) BAFFLE (S.N. XXXXXX—) AT483376 Interval (hrs) - As required
	DIESEL EXHAUST FLUID (DEF) HEADER SUCTION DZ111166 Interval (hrs) - 2000
	OPEN CRANKCASE VENTILATION (OCV) FILTER, FOR ENGINES IT4/FT4 WITH DOC/DPF (643L ONLY) DZ105796 Interval (hrs) - 1500










	HYDRAULIC SYSTEM OIL FILTER ELEMENT F061786 Interval (hrs) - 4000
	HYDRAULIC SYSTEM OIL FILTER ELEMENT R528743 Interval (hrs) - 2000
	DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER DZ114640 Interval (hrs) - 2000
	DIESEL PARTICULATE FILTER RE563694 Interval (hrs) - As required
	ENGINE OIL FILTER ELEMENT RE539279 Interval (hrs) - 500
	PRIMARY AND FINAL FUEL FILTER ELEMENT KIT RE556406 Interval (hrs) - 500
	HYDROSTATIC OIL FILTER T366738 Interval (hrs) - 1000
	AUXILIARY FUEL FILTER ELEMENT AT365870 Interval (hrs) - 500
	OPEN CRANKCASE VENTILATION (OCV) FILTER, FOR ENGINES IT4/FT4 WITH DOC/DPF (643L ONLY) DZ105100 Interval (hrs) - 1500



OILS AND CAPACITIES INFORMATION

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Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil ⁴ 	TY26669	28.5 L (7.5 gal)	500
John Deere Hydrau™ Hydraulic System Oil ⁴ 	TY27367	169.1 L (44.7 gal)	4000
John Deere Hy-Gard™ Oil: Park Brake ⁴ 	TY6354	0.8 L (27.0 fl oz)	1000
John Deere Hy-Gard™ Oil: Gear Case ⁴ 	TY6354	4.0 L (4.2 qt)	1000
John Deere Hy-Gard™ Oil: Axle—1400 (each) ⁴ 	TY6354	28.0 L (7.4 gal)	1000
John Deere Hy-Gard™ Oil: Axle—SWEDA (each) ⁴ 	TY6354	28.4 L (7.5 gal)	1000
John Deere Cool-Gard™ II Pre-Mix 	TY26575	35.6 L (9.4 gal)	6000

OILS AND CAPACITIES INFORMATION

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Part Description	Part Number	Qty or capacity	Change Interval In Hours
Fluid Analysis Test Kits⁵			
Diesel Engine Oil	AT346594	1	250
Hydraulic Oil	AT346594	1	500
Gear Case Oil	AT346594	1	500
Park Brake Oil	AT346594	1	500
Axle Oil	AT346594	2	500
Diesel Fuel	AT180344	1	500
Engine Coolant	TY27787	1	500

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 your operating conditions. Consult your 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

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	