



# REPLACEMENT PARTS GUIDE

- 640L-II Skidder (PIN: 1DW640L\_\_ \_F690814— )
- 848L-II Skidder (PIN: 1DW848L\_\_ \_F690814— )
- 648L-II Skidder (PIN: 1DW648L\_\_ \_F690814— )
- 948L-II Skidder (PIN: 1DW948L\_\_ \_F690814— )
- 748L-II Skidder (PIN: 1DW748L\_\_ \_F690814— )

**HYDRAULIC RESERVOIR BREATHER FILTER**  
[AT421408](#)  
Interval (hrs) - As Required.

**CAB RECIRCULATING AIR FILTER**  
[AT307501](#)  
Interval (hrs) - 4000.

**CAB FRESH AIR FILTER**  
[AT191102](#)  
Interval (hrs) - As Required.

**HYDRAULIC SYSTEM OIL FILTER**  
[F061786](#)  
Interval (hrs) - 4000.

**PRIMARY FUEL FILTER (9.0 L ENGINES)**  
[RE539465](#)  
Interval (hrs) -500.

**OPEN CRANKCASE VENTILATION (OCV) FILTER (640L-II AND 648L-II)**  
[RE540710](#)  
Interval (hrs) - 1500.



**DIESEL PARTICULATE FILTER (COMPONENT OF EXHAUST FILTER)**  
[RE559541](#)  
Interval (hrs) - As Required .

**AXLE OIL FILTER**  
[AT367635](#)  
Interval (hrs) - 1000.

**PRIMARY AND FINAL FUEL FILTER KIT (6.8 L ENGINES)**  
[RE556406](#)  
Interval (hrs) - 500.

**OPEN CRANKCASE VENTILATION (OCV) FILTER (748L-II)**  
[RE553703](#)  
Interval (hrs) - 1500.

**ENGINE OIL FILTER (9.0 L ENGINES)**  
[DZ101884](#)  
Interval (hrs) - 500.

**ENGINE OIL FILTER (6.8 L ENGINES)**  
[RE539279](#)  
Interval (hrs) - 500.








**AUXILIARY FUEL FILTER (6.8 L ENGINES)**  
[AT365870](#)  
Interval (hrs) - 500.












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-  **FINAL FUEL FILTER (9.0 L ENGINES)**  
[RE533910](#)  
Interval (hrs) - 500.
-  **AUXILIARY FUEL FILTER (9.0 L ENGINES)**  
[AT365869](#)  
Interval (hrs) - 500.
-  **DIESEL EXHAUST FLUID (DEF) DOSING UNIT FILTER**  
[RE554498](#)  
Interval (hrs) - 4000.
-  **DIESEL EXHAUST FLUID (DEF) HEADER SUCTION FILTER AND BAFFLE**  
[AT484544](#)  
Interval (hrs) - 4000.
-  **FUEL TANK BREATHER**  
[H216169](#)  
Interval (hrs) - 2000.
-  **SECONDARY AIR CLEANER ELEMENT**  
[AT175224](#)  
Interval (hrs) - As Required .
-  **ENGINE DRIVE SHAFT (640L-II AND 648L-II )**  
[AT440747](#)  
**ENGINE DRIVE SHAFT(748L-II , 848L-II ,AND 948L-II )**  
[AT440739](#)  
Interval (hrs) - 1000.



-  **ENGINE ROCKER ARM COVER GASKET (6.8 L ENGINES)**  
[R528743](#)  
Interval (hrs) - 2000.
-  **ENGINE ROCKER ARM COVER GASKET (9.0 L ENGINES)**  
[R526607](#)  
Interval (hrs) - 2000.
-  **SECONDARY TRANSMISSION OIL FILTER**  
[T436566](#)  
Interval (hrs) - 4000.
-  **PRIMARY TRANSMISSION OIL FILTER**  
[AT468647](#)  
Interval (hrs) - 2000.
-  **DIESEL EXHAUST FLUID (DEF) TANK BREATHER FILTER**  
[H216169](#)  
Interval (hrs) - 4000.
-  **PRIMARY AIR CLEANER ELEMENT**  
[AT223226](#)  
Interval (hrs) - As Required.
-  **DUST UNLOADER VALVE**  
[T158495](#)  
Interval (hrs) - As Required .



# OILS AND CAPACITIES INFORMATION



640L-II Skidder (PIN: 1DW640L\_\_ \_ F690814— )

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748L-II Skidder (PIN: 1DW748L\_\_ \_ F690814— )

Part Description		Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>3</sup>		<a href="#">TY26669</a>	28.5 L (7.5 gal)	500
John Deere Hy-Gard™ Oil <sup>3</sup>				
Front Axle Oil—1400 Series		<a href="#">TY6354</a>	31.0 L (8.2 gal)	2000
Rear Axle Oil—1400 Series		<a href="#">TY6354</a>	32.0 L (8.5 gal)	2000
Front Axle Oil—SWEDA		<a href="#">TY6354</a>	31.4 L (8.3 gal)	2000
Rear Axle Oil—SWEDA		<a href="#">TY6354</a>	32.4 L (8.6 gal)	2000
Front Axle Oil—1700 Series		<a href="#">TY6354</a>	106.0 L (28.0 gal)	2000
Rear Axle Oil—1700 Series		<a href="#">TY6354</a>	107.0 L (28.3 gal)	2000
Park Brake Oil		<a href="#">TY6354</a>	0.8 L (27.0 fl oz)	1000
Transmission Oil		<a href="#">TY6354</a>	57.0 L (15.1 gal)	2000
John Deere Hydrau™ Oil <sup>3</sup>				
Hydraulic System		<a href="#">TY27367</a>	123.6 L (32.7 gal)	4000
Winch Oil—4000 Series (if equipped)		<a href="#">TY27367</a>	35.2 L (9.3 gal)	4000
Winch Oil—6000 Series (if equipped)		<a href="#">TY27367</a>	45.5 L (12.0 gal)	4000
John Deere Cool-Gard™ II Premix (6.8 L engines)		<a href="#">TY26575</a>	36.4 L (9.6 gal)	6000
John Deere Cool-Gard™ II Premix (9.0 L engines)		<a href="#">TY26575</a>	41.7 L (11.0 gal)	6000



**JOHN DEERE**  
Genuine Parts and Service

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Fluid Analysis Test Kits <sup>4</sup>			
Part Description	Part Number	Qty	Change Interval In Hours
Diesel Engine Oil	<a href="#">AT346594</a>	1	250
Transmission Oil	<a href="#">AT346594</a>	1	500
Hydraulic Oil	<a href="#">AT346594</a>	1	500
Axle Oil	<a href="#">AT346594</a>	2	500
Park Brake Oil	<a href="#">AT346594</a>	1	500
Diesel Fuel	<a href="#">TY27329</a>	1	500
Engine Coolant	<a href="#">TY27787</a>	1	500

<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

## Service Intervals

As Required	
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Fill and charge pressurized water system (if equipped)
<input type="checkbox"/> Inspect accessory drive belt	<input type="checkbox"/> Check fire extinguisher charge
<input type="checkbox"/> Replace engine air cleaner elements	<input type="checkbox"/> Lubricate cab door hinges
<input type="checkbox"/> Check tire pressure	<input type="checkbox"/> Check cab recirculating air filter
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Check cab fresh air filter
<input type="checkbox"/> Clean fuel tank inlet screen	<input type="checkbox"/> Service exhaust filter
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Clean engine air intake precleaner screen
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Check and clean engine air intake precleaner dust unloader valve
<input type="checkbox"/> Check transmission oil level	<input type="checkbox"/> Lubricate articulation points
<input type="checkbox"/> Check hydraulic system oil level	<input type="checkbox"/> Lubricate yoke and cross head (grapple skidders only)
<input type="checkbox"/> Check diesel exhaust fluid (DEF) level	<input type="checkbox"/> Lubricate tong linkage and cylinder pivots (grapple skidders only)
<input type="checkbox"/> Check and drain primary fuel filter and water separator	<input type="checkbox"/> Lubricate arch/boom linkage and cylinder pivots (grapple skidders only)
<input type="checkbox"/> Check and drain auxiliary fuel filter and water separator	<input type="checkbox"/> Lubricate winch fairlead rollers (cable skidders only)
Every 100 Hours	
<input type="checkbox"/> Lubricate rear axle pinion seal and park brake seals	<input type="checkbox"/> Lubricate blade and cylinder pivots
<input type="checkbox"/> Lubricate front axle pivots, pinion seal, and hydraulic steering cylinder pins	<input type="checkbox"/> Lubricate winch fairlead rollers (if equipped, grapple skidders only)
Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	
Initial Service—500 Hours	
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Replace axle oil filters
Every 500 Hours	
<input type="checkbox"/> Drain and refill engine oil and replace filter	<input type="checkbox"/> Check engine air intake hoses
<input type="checkbox"/> Replace primary fuel filter and water separator	<input type="checkbox"/> Take transmission oil sample
<input type="checkbox"/> Replace auxiliary fuel filter and water separator	<input type="checkbox"/> Take hydraulic oil sample
<input type="checkbox"/> Replace final fuel filter	<input type="checkbox"/> Take axle oil sample
<input type="checkbox"/> Check axle oil level	<input type="checkbox"/> Take park brake oil sample
<input type="checkbox"/> Check park brake oil level	<input type="checkbox"/> Take engine coolant sample
<input type="checkbox"/> Lubricate front, rear, and articulation drive shafts	<input type="checkbox"/> Take diesel fuel sample
<input type="checkbox"/> Adjust grapple damper (grapple skidders only)	<input type="checkbox"/> Take winch gear case oil sample (if equipped)
<input type="checkbox"/> Check open crankcase ventilation (OCV) system	
Every 1000 Hours	
<input type="checkbox"/> Drain and refill park brake oil	<input type="checkbox"/> Lubricate grapple rotate bearing (grapple skidders only)
<input type="checkbox"/> Replace axle oil filters	<input type="checkbox"/> Check coolant condition
Every 1500 Hours	
<input type="checkbox"/> Replace open crankcase ventilation (OCV) filter (640L-II, 648L-II, and 748L-II only)	

## Service Intervals

Initial Service—2000 Hours	
<input type="checkbox"/> Replace hydraulic system oil filter	
Every 2000 Hours	
<input type="checkbox"/> Drain and refill transmission oil and replace primary transmission oil filter	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Inspect sun gear (1700 series axles equipped with large duals only)
<input type="checkbox"/> Replace fuel tank breather	
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic system oil	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) dosing unit filter
<input type="checkbox"/> Replace hydraulic system oil filter	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) tank breather filter
<input type="checkbox"/> Replace hydraulic reservoir breather filter	<input type="checkbox"/> Clean diesel exhaust fluid (DEF) tank
<input type="checkbox"/> Drain and refill winch oil (if equipped)	<input type="checkbox"/> Replace diesel exhaust fluid (DEF) header suction filter and baffle
<input type="checkbox"/> Replace secondary transmission oil filter	
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	
Every 10 000 Hours	
<input type="checkbox"/> Replace engine drive shaft	