

# REPLACEMENT PARTS GUIDE

## 748L-II Skidder (PIN: 1DW748L\_\_\_C690814—)



### HYDRAULIC RESERVOIR BREATHER FILTER [AT421408](#)

Interval (hrs) - 4000.



### ENGINE OIL FILTER ELEMENT (6.8 L ENGINES ONLY) [RE504836](#)

Interval (hrs) - 500.



### CAB RECIRCULATING AIR FILTER ELEMENT [AT307501](#)

Interval (hrs) - As Required.



### CAB FRESH AIR FILTER ELEMENT [AT191102](#)

Interval (hrs) - As Required.



### FINAL FUEL FILTER ELEMENT (6.8 L ENGINES ONLY) [RE522878](#)

Interval (hrs) - 500.



### AUXILIARY FUEL FILTER ELEMENT (9.0 L ENGINES ONLY) [AT365869](#)

Interval (hrs) - 500.



### ENGINE CRANKSHAFT DAMPER (6.8 L ENGINES ONLY) [RE508578](#)

Interval (hrs) - 4000.



### AXLE OIL FILTER ELEMENTS [AT367635](#)

Interval (hrs) - 1000.



### PRIMARY AND FINAL FUEL FILTER ELEMENT KIT (9.0 L ENGINES ONLY) [RE525523](#)

Interval (hrs) - 500.



### PRIMARY AIR FILTER (9.0 L ENGINES ONLY) [AT308575](#)

Interval (hrs) - As Required.



### SECONDARY AIR FILTER (9.0 L ENGINES ONLY) [TT220747](#)

Interval (hrs) - As Required.



### PRIMARY AIR FILTER (6.8 L ENGINES ONLY) [AT223226](#)

Interval (hrs) - As Required.



### ENGINE DRIVE SHAFT (748L, 848L AND 948L ONLY) [AT440739](#)

Interval (hrs) - 10000.



### PRIMARY FUEL FILTER ELEMENT (6.8 L ENGINES ONLY) [RE541922](#)

Interval (hrs) - 500.

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**ENGINE OIL FILTER ELEMENT  
(9.0 L ENGINES ONLY)**  
[DZ101884](#)

Interval (hrs) - 500.



**AUXILIARY FUEL FILTER ELEMENT  
(6.8 L ENGINE ONLY)**  
[AT365870](#)

Interval (hrs) - 500.



**ENGINE DRIVE SHAFT  
(640L AND 648L ONLY)**  
[AT440747](#)

Interval (hrs) - 10000.



**SECONDARY TRANSMISSION OIL FILTER**  
[T436566](#)

Interval (hrs) - 4000.



**PRIMARY TRANSMISSION OIL FILTER**  
[AT468647](#)

Interval (hrs) - 2000.



**ENGINE ROCKER ARM COVER GASKET  
(6.8 L ENGINES ONLY)**  
[R524497](#)

Interval (hrs) - 2000.



**ENGINE CRANKSHAFT DAMPER  
(9.0 L ENGINES ONLY)**  
[RE520465](#), [RE57604](#)

Interval (hrs) - 4000.



**SECONDARY AIR FILTER  
(6.8 L ENGINES ONLY)**  
[AT175224](#)

Interval (hrs) - As Required.



**HYDRAULIC SYSTEM OIL FILTER ELEMENT**  
[F061786](#)

Interval (hrs) - 4000.



**ENGINE ROCKER ARM COVER GASKET  
(9.0 L ENGINES ONLY)**  
[R527884](#)

Interval (hrs) - 500.



**DUST UNLOADER VALVE**  
[T158495](#)















Interval (hrs) - As Required.



**JOHN DEERE**  
Genuine Parts and Service

# OILS AND CAPACITIES INFORMATION

## 748L-II Skidder (PIN: 1DW748L\_\_C690814—)

Part Description	Part Number	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil (6.8 L engines only) <sup>3</sup> 	<a href="#">TY26669</a>	24.0 L (6.3 gal)	500
John Deere Plus-50™ II Engine Oil (9.0 L engines only) <sup>3</sup> 	<a href="#">TY26669</a>	28.5 L (7.5 gal)	500
John Deere Hy-Gard™ Oil: Front Axle Oil—1400 <sup>3</sup> 	<a href="#">TY6354</a>	31.0 L (8.2 gal)	2000
John Deere Hy-Gard™ Oil: Rear Axle Oil—1400 <sup>3</sup> 	<a href="#">TY6354</a>	32.0 L (8.5 gal)	2000
John Deere Hy-Gard™ Oil: Front Axle Oil—SWEDA <sup>3</sup> 	<a href="#">TY6354</a>	31.4 L (8.3 gal)	2000
John Deere Hy-Gard™ Oil: Rear Axle Oil—SWEDA <sup>3</sup> 	<a href="#">TY6354</a>	32.4 L (8.6 gal)	2000
John Deere Hy-Gard™ Oil: Front Axle Oil—1700 Series <sup>3</sup> 	<a href="#">TY6354</a>	106.0 L (28.0 gal)	2000
John Deere Hy-Gard™ Oil: Rear Axle Oil—1700 Series <sup>3</sup> 	<a href="#">TY6354</a>	107.0 L (28.3 gal)	2000
John Deere Hy-Gard™ Oil: Park Brake Oil <sup>3</sup> 	<a href="#">TY6354</a>	0.8 L (27.0 floz)	1000
John Deere Hy-Gard™ Oil: Transmission Oil <sup>3</sup> 	<a href="#">TY6354</a>	57.0 L (15.1 gal)	2000
John Deere Hydrau™ Oil: Hydraulic System Oil <sup>3</sup> 	<a href="#">TY27367</a>	123.6 L (32.7 gal)	4000
John Deere Hydrau™ Oil: Winch Oil—4000 Series (if equipped) <sup>3</sup> 	<a href="#">TY27367</a>	35.2 L (9.3 gal)	4000
John Deere Hydrau™ Oil: Winch Oil—6000 Series (if equipped) <sup>3</sup> 	<a href="#">TY27367</a>	45.5 L (12.0 gal)	4000
John Deere Cool-Gard™ II Premix (6.8 L engines only) 	<a href="#">TY26575</a>	31.4 L (8.3 gal)	6000
John Deere Cool-Gard™ II Premix (9.0 L engines only) 	<a href="#">TY26575</a>	36.7 L (9.7 gal)	6000

# OILS AND CAPACITIES INFORMATION

## 748L-II Skidder (PIN: 1DW748L\_\_ \_C690814— )

Part Description	Part Number	Qty or capacity	Change Interval In Hours
<b>Fluid Analysis Test Kits<sup>4</sup></b>			
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
Winch Gear Case Oil (if equipped)	<a href="#">AR69444</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.

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*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	
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Check and clean engine air intake precleaner dust unloader valve
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Lubricate articulation points
<input type="checkbox"/> Check transmission oil level	<input type="checkbox"/> Lubricate yoke and cross head (grapple skidders only)
<input type="checkbox"/> Check hydraulic system oil 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)
<input type="checkbox"/> Clean engine air intake precleaner screen	
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"/> Remove and clean open crankcase ventilation (OCV) hose
<input type="checkbox"/> Inspect engine crankshaft damper (9.0 L engines only)	<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)	
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

## 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"/> Inspect engine crankshaft damper (6.8 L)	<input type="checkbox"/> Replace fuel tank breather
Every 4000 Hours	
<input type="checkbox"/> Drain and refill hydraulic system oil	<input type="checkbox"/> Drain and refill winch oil (if equipped)
<input type="checkbox"/> Replace hydraulic system oil filter	<input type="checkbox"/> Replace secondary transmission oil filter
<input type="checkbox"/> Replace hydraulic reservoir breather filter	<input type="checkbox"/> Replace engine crankshaft damper
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	
Every 10 000 Hours	