

# REPLACEMENT PARTS GUIDE

## 310E Articulated Dump Truck (PIN: 1DW310E\_ \_ \_D708125- )



### FAST FILL FUEL BREATHER (IF EQUIPPED)

[T225008](#)

Interval (hrs) - 500.



### PRIMARY AND FINAL FUEL FILTER KIT

[RE525523](#)

Interval (hrs) - 500.



### ENGINE OIL FILTER<sup>2</sup>

[DZ118283](#)

Interval (hrs) - 500.



### HYDRAULIC SYSTEM RETURN FILTER ELEMENT

[AT335977](#)

Interval (hrs) - 4000.



### CAB FRESH AIR FILTER

[AT191102](#)

Interval (hrs) - As Required.



### ENGINE AIR FILTER ELEMENT— SECONDARY

[T340572](#)

Interval (hrs) - 6000.



### AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED)

[AT365869](#)

Interval (hrs) - 500.



### ENGINE AIR FILTER ELEMENT—PRIMARY

[T340571](#)

Interval (hrs) - 2000.



### HYDRAULIC RESERVOIR BREATHER

[AM39653](#)

Interval (hrs) - 4000.



### CAB RECIRCULATING AIR FILTER

[AT307501](#)

Interval (hrs) - As Required.



### AXLE OIL FILTER (IF EQUIPPED)<sup>2</sup>

[AT489922](#)

Interval (hrs) - 1000.



### TRANSMISSION OIL FILTER<sup>3</sup>

[AT468647](#)

Interval (hrs) - 2000.



### STEERING CYLINDER SEALS

[AT469779](#)

Interval (hrs) - As Required.



### ENGINE ROCKER ARM COVER GASKET

[R527884](#)

Interval (hrs) - 2000.



### FUEL TANK BREATHER

[H216169](#)

Interval (hrs) - 2000.



CLICK PART NUMBER TO BUY

\*See operator's manual for additional details

# OILS AND CAPACITIES INFORMATION

## 310E Articulated Dump Truck (PIN: 1DW310E\_ \_ \_D708125- )

Part Description	Qty or capacity	Change Interval In Hours
John Deere Plus-50™ II Engine Oil <sup>2, 4</sup>	34.0 L (9.0 gal)	500
John Deere HD Synthetic Transmission Fluid <sup>3, 4</sup>	60.0 L (15.9 gal)	2000
John Deere Hy-Gard™ Front Axle Oil <sup>2, 4</sup>	37.0 L (9.8 gal)	2000
John Deere Hy-Gard™ Middle Axle Oil <sup>2, 4</sup>	37.0 L (9.8 gal)	2000
John Deere Hy-Gard™ Rear Axle Oil <sup>2, 4</sup>	37.0 L (9.8 gal)	2000
John Deere Hydrau™ Hydraulic System Oil <sup>2</sup>	113.5 L (30.0 gal)	4000
John Deere COOL-GARD™ II Pre-Mix	48.0 L (12.7 gal)	6000

# OILS AND CAPACITIES INFORMATION

## 310E Articulated Dump Truck (PIN: 1DW310E\_ \_ \_D708125- )

Fluid Analysis Kits <sup>5</sup>			
Diesel Engine Oil Kit	<a href="#">AT346594</a>	1	250
Transmission Oil Kit	<a href="#">AT346594</a>	1	500
Axle Oil Kit	<a href="#">AT346594</a>	3	500
Hydraulic Oil Kit	<a href="#">AT346594</a>	1	500
Diesel Fuel Kit	<a href="#">TY27329</a>	1	500
Engine Coolant Kit	<a href="#">TY27787</a>	1	500

<sup>1</sup>Perform initial service once after the first 500 hours of operation.

<sup>2</sup>Interval not to exceed 12 months.

<sup>3</sup>Interval not to exceed 24 months.

<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.

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*Hy-Gard is a trademark of Deere & Company*

*Hydrau is a trademark of Deere & Company*

*COOL-GARD is a trademark of Deere & Company*

## Service Intervals

Service Intervals—D Engine	
<b>As Required</b>	
<input type="checkbox"/> Clean and tighten battery terminals	<input type="checkbox"/> Inspect tires and check pressure
<input type="checkbox"/> Inspect serpentine belt	<input type="checkbox"/> Check wheel bolt torque
<input type="checkbox"/> Check engine air cleaner elements	<input type="checkbox"/> Check service brake disc wear
<input type="checkbox"/> Check windshield washer fluid level	<input type="checkbox"/> Inspect steering cylinder seals
<input type="checkbox"/> Drain primary and final fuel filter with water separators	<input type="checkbox"/> Check cab air filters
<input type="checkbox"/> Drain auxiliary fuel filter with water separator (if equipped)	<input type="checkbox"/> Check rear camera and radar object detection system (RODS) (if equipped)
<input type="checkbox"/> Clean cooler cores	
<b>Every 10 Hours or Daily</b>	
<input type="checkbox"/> Clean dust unloader valve	<input type="checkbox"/> Check hydraulic system oil level
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Check transmission oil level
<input type="checkbox"/> Check engine coolant level	
<b>Every 50 Hours or Weekly</b>	
<input type="checkbox"/> Lubricate articulation joint, oscillation joint, and through-drive bearing	<input type="checkbox"/> Lubricate greaseable steering cylinder pins
<b>Every 250 Hours</b>	
<input type="checkbox"/> Take engine oil sample	
<b>Initial Service - 500 Hours</b>	
<input type="checkbox"/> Replace axle oil filters (if equipped)	<input type="checkbox"/> Rerun transmission clutch calibration (cab monitor)
<input type="checkbox"/> Drain and refill axle oil <sup>2</sup>	
<b>Every 500 Hours</b>	
<input type="checkbox"/> Check hybrid battery electrolyte level (if equipped)	<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings
<input type="checkbox"/> Take diesel fuel sample	<input type="checkbox"/> Replace primary fuel filter with water separator
<input type="checkbox"/> Take axle oil sample	<input type="checkbox"/> Replace auxiliary fuel filter with water separator (if equipped)
<input type="checkbox"/> Take transmission oil sample	<input type="checkbox"/> Replace final fuel filter
<input type="checkbox"/> Take coolant sample	<input type="checkbox"/> Replace fuel tank breather (if equipped) with fast fill
<input type="checkbox"/> Take hydraulic oil sample	<input type="checkbox"/> Check park brake pad wear and lubricate linkage
<input type="checkbox"/> Drain and refill engine oil and replace filter <sup>2</sup>	
<b>Every 1000 Hours</b>	
<input type="checkbox"/> Replace axle oil filters (if equipped) <sup>2</sup>	<input type="checkbox"/> Check axle oil levels
<input type="checkbox"/> Check coolant condition	<input type="checkbox"/> Check and adjust dump body shock pads

## Service Intervals

Every 2000 Hours	
<input type="checkbox"/> Replace primary air cleaner element	<input type="checkbox"/> Clean and inspect axle breathers
<input type="checkbox"/> Check and adjust engine valve lash	<input type="checkbox"/> Drain and refill transmission oil <sup>3</sup>
<input type="checkbox"/> Replace fuel tank breather filter	<input type="checkbox"/> Replace transmission oil filters <sup>3</sup>
<input type="checkbox"/> Drain and refill axle oil <sup>2</sup>	<input type="checkbox"/> Run transmission clutch calibration (cab monitor)
<input type="checkbox"/> Clean axle pump suction screen (if equipped)	
Every 4000 Hours	
<input type="checkbox"/> Clean hydraulic system fill strainer	<input type="checkbox"/> Drain and refill hydraulic system oil
<input type="checkbox"/> Replace hydraulic system return filter	<input type="checkbox"/> Replace hydraulic reservoir breather
<input type="checkbox"/> Clean hydraulic pump case in-line screen	
Every 6000 Hours	
<input type="checkbox"/> Replace secondary air cleaner element	<input type="checkbox"/> Inspect driveline torsional coupler
<input type="checkbox"/> Drain and refill engine cooling system	