

REPLACEMENT PARTS GUIDE

310E Articulated Dump Truck (PIN: 1DW310EX__D677827-708124)



TRANSMISSION OIL FILTER ELEMENT

[AT468647](#)

Interval (hrs) - 2000.



PRIMARY FUEL FILTER ELEMENT

[RE541746](#)

Interval (hrs) - 500.



HYDRAULIC SYSTEM RETURN FILTER ELEMENT

[AT335977](#)

Interval (hrs) - 4000.



ENGINE AIR CLEANER ELEMENT-SECONDARY

[T340572](#)

Interval (hrs) - As required.



ENGINE AIR CLEANER ELEMENT-PRIMARY

[T340571](#)

Interval (hrs) - As required.



ENGINE OIL FILTER

[DZ101884](#)

Interval (hrs) - 250.



AUXILIARY FUEL FILTER ELEMENT (IF EQUIPPED)

[AT365869](#)

Interval (hrs) - 500.



FAST FILL FUEL TANK BREATHER (IF EQUIPPED)

[T225008](#)

Interval (hrs) - 500.



CAB FRESH AIR FILTER

[AT191102](#)

Interval (hrs) - As required.



CAB RECIRCULATING AIR FILTER

[AT307501](#)

Interval (hrs) - As required.



AXLE OIL FILTER

[AT333901](#)

Interval (hrs) - 1000.



FINAL FUEL FILTER ELEMENT

[RE533910](#)

Interval (hrs) - 500.



HYDRAULIC RESERVOIR BREATHER

[AM39653](#)

Interval (hrs) - 4000.



SERPENTINE BELT

[T253921](#)

Interval (hrs) - As required.



FUEL TANK BREATHER

[H216169](#)

Interval (hrs) - 2000.










ENGINE ROCKER ARM COVER GASKET

[R527884](#)

Interval (hrs) - 2000.

OIL 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 ^{1,3} 	<u>TY26674</u>	34.0 L(9.0 gal)	250
John Deere HD Synthetic Transmission Fluid ³ 	<u>TY26391</u>	60.0 L(15.9 gal)	2000
John Deere Hydrau™ Hydraulic Oil ³ 	<u>TY27367</u>	113.5 L(30.0 gal)	4000
John Deere Hy-Gard™ Oil:			
Front Axle ^{3,5} 	<u>TY6354</u>	37.0 L(9.8 gal)	2000
Middle Axle ^{3,5} 	<u>TY6354</u>	37.0 L(9.8 gal)	2000
Rear Axle ^{3,5} 	<u>TY6354</u>	37.0 L(9.8 gal)	2000
John Deere Cool-Gard™ II Pre-Mix 	<u>TY26575</u>	48.0 L(12.7 gal)	6000

OIL AND CAPACITIES INFORMATION

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Fluid Analysis Kits ³			
Engine Oil	AT346594	1	250
Transmission Oil	AT346594	1	500
Hydraulic Oil	AT346594	1	500
Axle Oil	AT346594	3	500
Diesel Fuel	TY27329	1	500
Engine Coolant	TY26873	1	500

¹310E only. If using diesel fuel with a sulfur content greater than 1000 ppm, drain and refill engine oil and replace engine oil filter every 250 hours.
²Perform initial service once after the first 500 hours of operation.
³See operator's manual for recommended oil type and oil viscosities based on operating temperatures.
⁴Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult an authorized John Deere dealer.
⁵If equipped with axle cooling, see Drain and Refill Capacities (Section 4-6) for axle oil capacity.

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

Service Intervals

As Required	
<input type="checkbox"/> Inspect tires and check pressure	<input type="checkbox"/> Check cab air filters
<input type="checkbox"/> Check wheel bolt torque	<input type="checkbox"/> Check rear camera (if equipped)
<input type="checkbox"/> Check service brake disc wear	<input type="checkbox"/> Check windshield washer fluid level
<input type="checkbox"/> Check engine air cleaner elements	<input type="checkbox"/> Inspect steering cylinder seals
<input type="checkbox"/> Inspect serpentine belt	<input type="checkbox"/> Drain primary fuel filter with water separator
<input type="checkbox"/> Clean cooler cores	<input type="checkbox"/> Drain final fuel filter
<input type="checkbox"/> Drain auxiliary fuel filter with water separator (if equipped)	
Every 10 Hours or Daily	
<input type="checkbox"/> Check engine coolant level	<input type="checkbox"/> Check hydraulic system oil level
<input type="checkbox"/> Check engine oil level	<input type="checkbox"/> Check transmission oil level
Every 50 Hours	
<input type="checkbox"/> Lubricate articulation joint, oscillation joint, and through drive bearing	<input type="checkbox"/> Lubricate greasable steering cylinder pins (if equipped)
Every 250 Hours	
<input type="checkbox"/> Take engine oil sample	<input type="checkbox"/> Drain and refill engine oil and replace filter (310E only) ¹
Initial Service—500 Hours ²	
<input type="checkbox"/> Run transmission clutch calibration	<input type="checkbox"/> Replace axle oil filters (if equipped)
<input type="checkbox"/> Drain and refill axle oil	
Every 500 Hours	
<input type="checkbox"/> Check battery electrolyte level and terminals	<input type="checkbox"/> Check air intake hoses and charge air cooler tube couplings
<input type="checkbox"/> Take axle oil sample	<input type="checkbox"/> Drain and refill engine oil and replace filter
<input type="checkbox"/> Take transmission oil sample	<input type="checkbox"/> Replace fuel tank breather (if equipped with fast fill)
<input type="checkbox"/> Take coolant sample	<input type="checkbox"/> Replace primary fuel filter with water separator
<input type="checkbox"/> Take hydraulic oil sample	<input type="checkbox"/> Replace auxiliary fuel filter with water separator (if equipped)
<input type="checkbox"/> Take diesel fuel sample	<input type="checkbox"/> Replace final fuel filter
<input type="checkbox"/> Check park brake pad wear and lubricate linkage	
Every 1000 Hours	
<input type="checkbox"/> Check and adjust dump body shock pads	<input type="checkbox"/> Check coolant condition
<input type="checkbox"/> Check axle oil levels	<input type="checkbox"/> Replace axle oil filters (if equipped)
Every 2000 Hours	
<input type="checkbox"/> Drain and refill axle oil	<input type="checkbox"/> Clean axle pump suction screen (if equipped)
<input type="checkbox"/> Clean and inspect axle breathers	<input type="checkbox"/> Replace fuel tank breather
<input type="checkbox"/> Drain and refill transmission oil	<input type="checkbox"/> Check and adjust engine valve lash
<input type="checkbox"/> Replace transmission oil filters	<input type="checkbox"/> Run transmission clutch calibration
Every 4000 Hours	
<input type="checkbox"/> Clean hydraulic pump case drain in-line screen	<input type="checkbox"/> Replace hydraulic system return filter
<input type="checkbox"/> Clean hydraulic fan drive case drain in-line screen	<input type="checkbox"/> Drain and refill hydraulic system oil
<input type="checkbox"/> Clean hydraulic system fill strainer	<input type="checkbox"/> Replace hydraulic reservoir breather
Every 6000 Hours	
<input type="checkbox"/> Drain and refill engine cooling system	<input type="checkbox"/> Inspect driveline torsional coupler