



JOHN DEERE

CONSTRUCTION

EQUIPMENT

UPTIME MAINTENANCE PLANNER

318D and 320D

As Required	
• Inspect and clean cooling package	• Check and clean cab fresh air filter—if equipped
• Check tire pressure	• Check and clean cab recirculation air filter—if equipped
• Check wheel lug nut torque	• Inspect and clean fuel tank vent tube
• Add coolant extender as indicated by COOL-GARD™ II test strips	
Every 10 Hours or Daily	
• Check engine oil level	• Check and drain water separator fuel filter
• Check hydraulic reservoir oil level	• Check and drain auxiliary fuel filter and water separator—if equipped
• Check coolant level	
Every 50 Hours	
• Lubricate boom linkage, cylinder pivot points, and Quik-Tatch™ linkage	
Initial Service - 250 Hours ¹	
• Change engine oil and replace filter	
Every 250 Hours	
• Take engine oil sample	
Every 500 Hours	
• Change engine oil and replace filter	• Check chain case oil level
• Replace fuel filter and water separator	• Lubricate steering linkage—if equipped
• Replace auxiliary fuel filter and water separator—if equipped	• Drain fuel tank sump
• Replace in-line fuel filter	• Take hydraulic oil sample
• Replace primary engine air filter	• Take diesel fuel sample
• Replace hydraulic oil reservoir breather	• Take engine coolant sample
• Replace hydraulic oil filter	
Every 1000 Hours	
• Check coolant	• Change hydraulic reservoir oil
• Replace secondary engine air filter	• Change chain case oil
Every 6000 Hours	
• Drain, flush, and refill cooling system	

UPTIME MAINTENANCE PLANNER

REQUIRED PARTS						
Description	Part Number	Initial Service - 250 Hours ¹	Every 250 Hours	Every 500 Hours	Every 1000 Hours	Every 6000 Hours
Engine Oil Filter	RE519626	1		1	1	1
In-Line Fuel Filter	T257865			1	1	1
Fuel Filter and Water Separator	RE533026			1	1	1
Auxiliary Fuel Filter and Water Separator—If Equipped	AT365870			1	1	1
Hydraulic Oil Reservoir Breather	AT101565			1	1	1
Hydraulic Oil Filter	AT314164			1	1	1
Primary Engine Air Filter	AT396133			1	1	1
Secondary Engine Air Filter	RE282287				1	1
PLUS-50™ II Engine Oil	TY26669 ²	9.0 L (2.4 gal)		9.0 L (2.4 gal)	9.0 L (2.4 gal)	9.0 L (2.4 gal)
PLUS-50™ II Hydraulic & Hydrostatic Oil	TY26669 ²				19.0 L (5.0 gal)	19.0 L (5.0 gal)
PLUS-50™ II Chain Case Oil (per side)	TY26669 ²				16.1 L (4.25 gal)	16.1 L (4.25 gal)
COOL-GARD™ II Pre-Mix	TY26575					9.3 L (2.5 gal)
Coolant Extender	TY26603	As Required				
Fluid Analysis Kits ³						
Diesel Engine Oil	AT317904		1	1	1	1
Hydraulic & Hydrostatic Oil	AT303189			1	1	1
Diesel Fuel	AT180344			1	1	1
Engine Coolant	AT183016			1	1	1
COOL-GARD™ II Test Strips	TY26605				1	1

¹ Perform initial service once after the first 250 hours of operation.

² See operator's manual for recommended oil type and oil viscosities based on operating temperatures.

³ Based on fluid analysis results, intervals may need to be adjusted for operating conditions. Consult your local John Deere dealer.