

## John Deere Engine Service Schedule

Deere Power Systems Group and Kohler Co. developed an engine service schedule supplement for John Deere engines used in generator set applications. This new

service schedule supersedes all previous John Deere engine service schedules as they may not have been specific to generator set applications.

Perform Service at Intervals Indicated (X)	Every 2 Weeks	Every 50 Hrs. or 1 Month	Every 250 Hrs. or 12 Months	Every 600 Hrs. or 12 Months	Every 1200 Hrs. or 24 Months	Every 2000 Hrs. or 60 Months
<b>FUEL SYSTEM</b>						
Check fuel filter	X					
Replace fuel filter element				X		
<b>LUBRICATION SYSTEM</b>						
Check engine oil and coolant level	X					
Change engine oil and replace filter**			X			
<b>COOLING SYSTEM</b>						
Check cooling system				X		
Coolant solution analysis– add SCA as needed				X		
Pressure test cooling system					X	
Flush cooling system***					X	
<b>INTAKE SYSTEM</b>						
Check air cleaner dust valve and restriction indicator*	X					
Check air intake hoses, connections, and system				X		
<b>ELECTRICAL SYSTEM</b>						
Service battery		X				
<b>ENGINE</b>						
Operate engine at rated speed and 50-70% load for a minimum of 30 minutes	X					
Visual walk around inspection (check for fuel, oil, or coolant leaks, any signs of engine component damage or deterioration)	X					
Clean crankcase vent tube				X		
Check automatic belt tensioner and belt wear				X		
Check crankshaft vibration damper (6-cylinder)					X	
Adjust droop on generator set engines					X	
Check and adjust engine valve clearance						X

\* Replace primary air cleaner element when restriction indicator shows a vacuum of 25 in. H<sub>2</sub>O (1.8 in. Hg).

\*\* Change the oil for the first time after 100 hours maximum of (break-in) operation, then every 250 hours thereafter. If PLUS-50<sup>+</sup> oil is used with a John Deere oil filter, the oil change interval may be extended by 50 hours.

\*\*\* If John Deere Antifreeze/Summer Coolant Concentrate or John Deere COOL-GARD<sup>+</sup> is used, the flushing interval may be extended to 2000 hours or 30 months, whichever occurs first. If John Deere Prediluted Antifreeze/Summer Coolant is used, the flushing interval may be extended to 3000 hours or 36 months, whichever comes first.

SCA Supplemental Coolant Additives

PLUS-50<sup>+</sup> and COOL-GARD<sup>+</sup> are trademarks of Deere & Company