

# F. Maintenance intervals

## a. Maintenance intervals chart:EU - version

General Maintenance	Elapsed Operating Hour *																				Interval		
	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000			
Operator Services	Check engine oil level																					daily	
	Check hydraulic oil level																						daily
	Check fuel level																						daily
	Check coolant level																						daily
	Grease front attachments																						daily
	Check V-belt																						daily
	Check water in fuel filter																						daily
	Tracks and chassis: clean, visual inspection and check tension	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	weekly (50 hrs)
	Grease swivel gear	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	50 hrs
	Check, clean air filter 1.)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	50 hrs
	Check nuts and bolts		○		○		○		○		○		○		○		○		○		○		100 hrs
	Grease swivel gear bearing				○				○						○						○		200 hrs
	Check battery electrolyte level										○											○	500 hrs
	Drain water in fuel tank										○											○	500 hrs

\* The services identified with ● must be carried out at the specified service hours after initial operation.

- 1.) Under dusty conditions the air filter must be cleaned more frequently or renewed.
- 2.) When using a hydraulic hammer over 20% every 800h. When using a hydraulic hammer over 60% every 300h.  
 When using a hydraulic hammer over 40% every 400h. When using a hydraulic hammer over 80% every 200h.
- 3.) When using a hydraulic hammer over 50% every 200h. When using a hydraulic hammer over 50% every 100h.
- 4.) Earlier if necessary.
- 5.) At least annually.

Service	Elapsed Operating Hours *																				Interval		
	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000			
Servicing by skilled personnel or KUBOTA dealer	Change engine oil and oil filter	●			○					○					○						○	250 h	
	Inspect coolant hoses and clamps				○					○					○							○	250 h
	Check/adjust V-belt tension				○					○					○							○	250 h
	Grease pilot valve linkage				○					○					○							○	250 h
	Change fuel filter 4.)									○												○	500 h
	Change hydraulic return line filter element 3.)					●				○												○	500 h
	Change drive unit oil 5.)	●								○												○	500 h
	Change hydraulic oil and suction filter. 2.)																					○	1000 h
	Renewing the Pilot Circuit Filter																					○	1000 h
	Change air filter elements 1.)																					○	1000 h
	Change idler and track roller oil																						2000 h
	Check alternator and starter motor																						Please contact your KUBOTA dealer. 2000 h
	Inspect electric cables and connections																						Please contact your KUBOTA dealer. annually
	Change coolant																						every 2 years
	Change hydraulic hoses																						Please contact your KUBOTA dealer. every 6 years

### b. Maintenance interval chart : PP - version

No.	Check points		Intervals	Hour meter indicator								Consequently	Ref. page		
				50	100	150	200	250	300	350	400				
1	Coolant		check	Daily check											
			change										every 2 years		
2	Fuel		check	Daily check											
3	Engine oil		check	Daily check											
			change	●					○				every 250 hrs		
4	Hydraulic oil		check	Daily check											
			change										every 1000 hrs		*1
5	Lubrication points		-	Daily check											
6	Radiator and oil cooler		check	Daily check											
7	Engine and electrical wiring		check	Daily check											every year
8	Fuel tank, Fuel filter		drain	○	○	○	○	○	○	○	○	○	every 50 hrs		
9	Battery condition		check	○	○	○	○	○	○	○	○	○	every 50 hrs		
10	Greasing swivel bearing teeth		-	○	○	○	○	○	○	○	○	○	every 50 hrs		
11	Fan belt tension		adjust				○				○		every 200 hrs		
12	Radiator hoses and clamps		check				○				○		every 200 hrs		
			replace											every 2 years	
13	Air filter element	Outer element	clean				○				○		every 200 hrs		*2
		Inner element	replace										every 1000 hrs		*2 @
			replace											every 1000 hrs	
14	Greasing swivel ball bearings		-				○				○		every 200 hrs		
15	Fuel filter element		replace								○		every 400 hrs		@
16	Engine oil filter		replace	●					○				every 250 hrs		
17	Drive unit oil		change		●								every 500 hrs		
18	Hydraulic return filter element		replace					●					every 500 hrs		
19	Hydraulic suction filter element		replace										every 1000 hrs		
20	Fuel injection nozzle injection pressure		check										every 1500 hrs		*4 @
21	Front idler and track roller oil		change										every 2000 hrs		
22	Alternator and starter motor		check										every 2000 hrs		
23	Injection pump		check										every 3000 hrs		*4 @
24	Radiator system		rinse										every 2 years		
25	Fuel line and intake air line		check				○				○		every 200 hrs		@
			replace											every 2 years	

\*500 thru 1000 continued to the following table.

No.	Check points		Intervals	Hour meter indicator							Consequently	Ref. page				
				500	550	600	650	700	750	800					1000	
1	Coolant		check	Daily check												
			change									every 2 years				
2	Fuel		check	Daily check												
3	Engine oil		check	Daily check												
			change		○					○		every 250 hrs				
4	Hydraulic oil		check	Daily check												
			change								○	every 1000 hrs		*1		
5	Lubrication points		-	Daily check												
6	Radiator and oil cooler		check	Daily check												
7	Engine and electrical wiring		check	Daily check							every year					
8	Fuel tank, Fuel filter		drain	○	○	○	○	○	○	○	○	○	every 50 hrs			
9	Battery condition		check	○	○	○	○	○	○	○	○	○	every 50 hrs			
10	Greasing swivel bearing teeth		-	○	○	○	○	○	○	○	○	○	every 50 hrs			
11	Fan belt tension		adjust			○					○	○	every 200 hrs			
12	Radiator hoses and clamps		check			○					○	○	every 200 hrs			
			replace											every 2 years		
13	Air filter element	Outer element	clean			○					○	○	every 200 hrs		*2	
		Inner element	replace									○	○	every 1000 hrs		*2 @
			replace										○	○	every 1000 hrs	
14	Greasing swivel ball bearings		-			○					○	○	every 200 hrs			
15	Fuel filter element		replace								○		every 400 hrs		@	
16	Engine oil filter		replace		○						○		every 250 hrs			
17	Drive unit oil		change										every 500 hrs			
18	Hydraulic return filter element		replace							○			every 500 hrs			
19	Hydraulic suction filter element		replace									○	every 1000 hrs			
20	Fuel injection nozzle injection pressure		check										every 1500 hrs		*4 @	
21	Front idler and track roller oil		change										every 2000 hrs			
22	Alternator and starter motor		check										every 2000 hrs			
23	Injection pump		check										every 3000 hrs		*4 @	
24	Radiator system		rinse										every 2 years			
25	Fuel line and intake air line		check			○					○	○	every 200 hrs		@	
			replace											every 2 years		*3

**IMPORTANT :**

- First operation
- \*1 When using a hydraulic breaker, change hydraulic oil and return filter according to the table on "Hydraulic Oil Change (Including Exchange of the Suction Filter in the Hydraulic Tank) under "EVERY 1000 SERVICE HOURS" in the chapter "REGULAR CHECKS AND MAINTENANCE WORK".
- \*2 Clean and replace the air filter more frequently if used under dusty conditions. By heavy soiling, replace the filter.
- \*3 Replace only if necessary.
- \*4 Consult your local KUBOTA Dealer for this service.
  - The items listed above (@ marked) are registered as emission related critical parts by KUBOTA in the U.S.EPA non-road emission regulation. As the engine owner, you are responsible for the performance of the required maintenance on the engine according to the above instruction. Please see the Warranty Statement in detail.