## F. Maintenance intervals

a. Maintenance intervals chart: EU-version

	General Elapsed Operating Hours																					
	Maintenance	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	Interval
	Check engine oil level																					daily
	Check hydraulic oil level																					daily
	Check fuel level																					daily
	Check coolant level																					daily
Si	Grease front attachments																					daily
Service	Check V-belt																					daily
Ser	Check washer liquid																					daily
ator	Check water separator																					daily
Operator	Grease swivel gear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50 h
0	Check, clean air filter 1.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50 h
	Grease swivel gear bearing				0				0				0				0				0	200 h
	Check battery electrolyte level										0										0	500 h
	Drain water in fuel tank										0										0	500 h

#### **IMPORTANT:**

- First operation
- Clean the air filter more frequently if used under dusty conditions. By heavy soiling, replace the filter.
  When using a hydraulic breaker, change hydraulic oil and return filter according to the table on "Hydraulic Oil Change".
  Earlier if necessary.

4.) At least annually . (including Exchange of the Suction Filter in the Hydraulic Tank) under "EVERY 1000 SERVICE HOURS" in "REGULAR CHECKS AND MAINTENANCE WORK".

	Service	Elapsed Operating Hours																					
	Scrvice		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	Interval	
	Change engine oil and oil filter	•				0					0					0					0	250 h	
	Inspect coolant hoses and clamps					0					0					0					0	250 h	
	Check/adjust V-belt tension					0					0					0						250 h	
le le	Grease pilot valve linkage					0					0					0					0	250 h	
deal	Change fuel filter cartridge 3.)																				0	500 h	
KUBOTA dealer	Drain of the water separator										0										0	500 h	
or KU	Change hydraulic return line filter element					•					0										0	500 h	
	Change drive unit oil 4.)		$\odot$								0										0	500 h	
erson	Change hydraulic oil and suction filter 2.)																				0	1000 h	
Servicing by skilled personnel	Renewing the pilot circuit filter																				0	1000 h	
by sk	Change air filter elements 1.)																				0	1000 h	
vicing	Change idler and track roller oil																					2000 h	
Ser	Check alternator and starter motor							Ple	ase c	onta	ct you	ır KU	вот	A dea	iler.							2000 h	
	Inspect electric cables and connections					Please contact your KUBOTA dealer. annuall										annually							
	Change coolant																					every 2 years	
	Change hydraulic hoses					Please contact your KLIPOTA dealer										every 6 years							
	Safety inspection																					annually	

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

NI-	Ob a -1-	Into				Hour n	neter in	dicator				Concorrent	Ref.			
No.	Check points		Intervals	50	100	150	200	250	300	350	400	450	Consequently	page		
			check	Daily	check			ļ.								
1	Coolant		change										every 2 years			
2	Fuel		check	Daily	check											
2	Engine oil		check	Daily	check											
3	Engine oil	Engine oil		•					0				every 250 hrs			
4	Hydrau <b>l</b> ic oi <b>l</b>		check	Daily	check											
4	Hydraulic oii		change										every 1000 hrs		*1	
5	Lubrication points	ı.	-	Daily	check											
6	Radiator and oil c	ooler	check	Daily	check											
7	Engine and electr	ical wiring	check	Daily	check								every year			
8	Fuel tank, Water	separator	drain	0	0	0	0	0	0	0	0	0	every 50 hrs			
9	Battery condition		check	0	0	0	0	0	0	0	0	0	every 50 hrs			
10	Greasing swing b	earing teeth	-	O	O	O	O	O	Ö	O	0	O	every 50 hrs			
11	1 Fan belt tension		check	_	check											
' '			adjust				0				0		every 200 hrs			
12	Radiator hoses and clamps		check				0				0		every 200 hrs			
'2			replace										every 2 years			
		Outer element	clean				0				0		every 200 hrs		*2	
13	Air filter element	Outer element	replace										every 1000 hrs		*2	@
		Inner element	replace										every 1000 hrs		*2	
14	Greasing swing b	all bearings	-				0				0		every 200 hrs			
15	Fuel filter cartridg	e	replace										every 500 hrs			@
16	Engine oil filter		replace	•					0				every 250 hrs			
17	Drive unit oil		change		•								every 500 hrs			
18	Hydraulic return fi	lter element	replace					•					every 500 hrs			
19	Hydraulic suction	fi <b>l</b> ter element	replace										every 1000 hrs			
20	Filter in the pilot h	ydraulic system	replace										every 1000 hrs			
21	Fuel injection noz pressure	z <b>l</b> e injection	check										every 1500 hrs		*4	@
22	Front idler and tra	ck roller oil	change										every 2000 hrs			
23	Alternator and sta	rter motor	check										every 2000 hrs			
24	Injection pump		check										every 3000 hrs		*4	@
25	Radiator system		rinse										every 2 years			
26	Fuel line and Into	ko air line	check				0				0		every 200 hrs			@
20	Fuel line and Intake air line		replace										every 2 years		*3	@
27	Greasing pilot val	ve linkage	-					0					every 250 hrs			
28	Pilot circuit filter		clean										every 1000 hrs			

D 500 thru 1000 continued to the following table.

	01.1		Intervals			Ho	our mete	er indica	tor				Ref.		
No.	Check	Check points		500	550	600	650	700	750	800	1000	Consequently	page		
		Coolant		Daily o	L check	1									
1	Coolant											every 2 years			
2	Fuel		check	Daily o	heck	1									
			check	Daily check											
3	Engine oil		change		0					0		every 250 hrs			
	I leadane din nil		check	Daily o			Į.		Į.						
4	Hydraulic oil		change								0	every 1000 hrs		*1	
5	Lubrication points		-	Daily o	heck					I.					
6	Radiator and oil c	ooler	check	Daily o	check										
7	Engine and electr	ical wiring	check	Daily o	check							every year			
8	Fuel tank, Water s	separator	drain	0	0	0	0	0	0	0	0	every 50 hrs			
9	Battery condition		check	0	0	0	0	0	0	0	0	every 50 hrs			
10	Greasing swing b	earing teeth	-	Ō	0	O	0	O	O	0	O	every 50 hrs			
44	Fan halt tanaian	an belt tension		Daily o											
11	Fan beit tension					0				0	0	every 200 hrs			
12	Dadiator bases or	Radiator hoses and clamps				0				0	0	every 200 hrs			
12	Radiator floses ar	iu damps	replace									every 2 years			
		Outer element	clean			0				0	0	every 200 hrs		*2	
13	Air filter element	Outer element	replace								0	every 1000 hrs		*2	@
		Inner element	replace								0	every 1000 hrs		*2	
14	Greasing swing b	all bearings	-			0				0	0	every 200 hrs			
15	Fuel filter cartridge	е	replace	0							0	every 500 hrs			@
16	Engine oil filter		replace		0					0		every 250 hrs			
17	Drive unit oil		change			0						every 500 hrs			
18	Hydraulic return fi	Iter element	replace						0			every 500 hrs			
19	Hydraulic suction	filter element	replace								0	every 1000 hrs			
20	Filter in the pilot h	ydrau <b>l</b> ic system	replace								0	every 1000 hrs			
21	Fuel injection noz pressure	zle injection	check									every 1500 hrs		*4	@
22	Front idler and tra	Front idler and track roller oil										every 2000 hrs			
23	Alternator and sta	Alternator and starter motor										every 2000 hrs			
24	Injection pump	njection pump										every 3000 hrs		*4	@
25	Radiator system		rinse									every 2 years			
26	Fuel line and Intal	ke air line	check			0				0	0	every 200 hrs			@
	T GOI III O AITO II ITA	aii iiiio	replace									every 2 years		*3	
27	Greasing pilot val	ve linkage	-	0					0		0	every 250 hrs			
28	Pilot circuit filter		clean									every 1000 hrs			

# c. Water and oil quantity

	Unit	U20-3α	U25-3α	U25S	Remarks
Radiator Canopy / Cab	L gal	3.0 0.79	<b>←</b>	<b>←</b>	Kubota LLC-N-50F
Reserve tank	L gal	0.6 0.16	<b>←</b>	<b>←</b>	50%
Engine oil with filter	L gal	4.4 1.16	<b>←</b>	<b>←</b>	SAE10W30(CF-4)
Hydraulic oil Full	L gal	37.0 9.98	<b>←</b>	<b>←</b>	ISO 46
Hydraulic oil Tank gauge center	L gal	22.5 5.94	<b>←</b>	<b>←</b>	ISO 46
Wheel motor	L gal	0.33 0.09	0.35 0.09	<b>←</b>	SAE90 (API GL-4)
Track roller	cc gal	50 0.01	80 0.02	<b>←</b>	SAE30(CD)
Upper roller	cc gal	60 0.02	<b>←</b>	<b>←</b>	SAE30(CD)
Front idler	cc gal	35 0.01	75 0.02	<b>←</b>	SAE30(CD)
Fuel tank	L gal	27.5 7.27	<b>←</b>	<b>←</b>	

Grease	Supply grease to such amount that it oozes out of periphery of the rotating end.	Ultra -pressure grease : EP2, Beacon Q2
Control leaver and links Du-bushing	Assemble after applying grease	

### Inspection of hydraulic oil

When checking the hydraulic oil level, satisfy the following conditions and make sure the oil level is above the center the oil gauge.



The oil level is within the shaded area shown in the figure at left.

1) Oil temp. should be between 10 ~ 30 °C (50 ~ 86 °F)

2) Stance of front attachment :

Swing : Straight forward Arm : Vertical to the ground

Bucket : On the ground at its bottom Dozer blade : Down to the ground

