13. MAINTENANCE

- For each of the checkpoints listed below, check and service at the intervals indicated in the table.
- For the inspection and maintenance procedures, for details, see "Chapter 14. PERIODIC SERVICE" on page 14-1.

1. Maintenance Check List

Table 13-1

										Ser	vice	Inter	vals								ter hase
	44.14		-		ary							Но	urs								
No	Topic		Time	Daily	If Necessary	50	100	150	200	250	300	350	400	450	200	550	009	800	1000	1 year	2 years
1	Engine Oil Level	Check	Daily	V																	
2	Transmission Hydraulic Oil Level	Check	Daily	~																	
3	Tire Air Pressure	Check	Daily	V																	
4	Grille	Check	Daily	~																	
5	Fuel Tank	Check Refill	Daily	~																	
6	Rubber Dust Unloading Valve	Clean	Daily	V			Î												100	Ì	ee .
-	Dadistar Hass and Clause	Check	Daily	V			ĵ														
7	Radiator Hose and Clamp	Replace	Every 2 years																		~
8	Radiator Cooling Screen	Clean	Daily	V																	55.
9	Oil Cooler Screen	Clean	Daily	V																	
10	Safety Systems	Check	Daily	V																	
11	Radiator Cooling Fins	Clean	Daily	V																	
	Check	Check	Daily	V										П							Г
12	Cooling System	Flush	Every 2 years or after 1000hr																~		~
13	Coolant	Change	Every 2 years or after 1000hr																~		~
11	Fuel Line	Check	Daily	~																	4.
14	ruei Lille	Replace	Every 2 years					5													~
	Power Steering Line	Check	Daily	~																	
15	(Rubber hose)	Replace	Every 2 years or if necessary		~																~
16	Retractable seatbelt	Check	Daily	~																	
10	Retractable Seatbell	Replace	If necessary	4. 	~																4.
17	Roll-Over Protective	Check	Daily	~																	
1.26	Structure (ROPS)	Replace	If necessary		~																
40	Headlights, Hazard Lights,	Check	Daily	~																	
18	and all other lights (lights and/or bulbs).	Replace	If necessary		~																
		Inspect	Daily	V																	Г
19	Fan and Alternator Belt	Adjust	Every 50hr or if necessary		~	~	~	~	~	~	v	v	~	~	~	~	~	~	~		0
		Replace	First 50hr, then if necessary		,	~															
20	Air Cleaner Element	Clean	Every 100hr or if necessary		v		V		v		~		v		~		~	V	~		
20	All Oleaner Licilient	Replace	Every 300hr or if necessary								v						~				

13. MAINTENANCE

	Tonic									Sen	vice	Inter	vals								ter hase
No			Topic Time				any		92			21		Но	urs						
No	юріс		ime		If Necessary	20	100	150	200	250	300	350	400	450	200	550	009	800	1000	1 year	2 years
21	Fuses	Check	Daily	~																Î	
٠.	A 1998 1997	Replace	If necessary		~																
22	Battery Condition	Check	Daily	~													Ш				
23	Battery	Replace	If necessary		~																~
24	Fuel Filter	Replace	Every 200hr or if necessary						~				~				~	~	~		
		Drain	Every 50hr or if necessary		~	~	~	~	~	~	~	~	~	v	~	~	~	~	~		
25	Fuel/Water Separator	Clean	Every 100hr or if necessary		~		~		~		~		~		~		~	~	~		
		Replace	Every 100hr or if necessary		~		~		~		~		~		~		~	~	~		
26	Wheel Bolt Tightening Torque	Check	Daily	V																	
27	Engine Oil	Change	50/200hr and every 200hr after			~			~				v				~	v	~		
28	Engine Oil Filter	Replace	50/200hr and every 200hr after	831		~			~				V				~	~	~		
29	Transmission Hydraulic Oil	Change	50/300hr and every 300hr after			~					V						~				
30	Hydraulic cooler system	e e																			
31	Hydraulic Filters	Replace	50/300hr and every 300hr after			~					~						~				
32	Hydraulic hose	Replace	Every 2 years																		~
33	Grease fittings		Every 50hr after			V	~	~	~	~	~	~	V	~	~	V	~	~	~		
34	Toe-in	Inspect/ Adjust	50/200hr and every 200hr after			~			~				~				~	~	~		
35	Front Axle Pivot	Check	Every 50hr			~	V	~	~	~	~	V	~	V	~	V	~	~	~		
36	Air Intake Hoses and Clamps	Check	50/200hr and every 200hr after			~			~				~				~	~	~		
30	All Illiake Hoses and Clamps	Replace	Every 2 years or if necessary																		~
		Check	Every 50hr			~	~	~	~	~	~	V	~	V	~	V	~	~	V		
37	Front Axle Gear Oil	Change	First 50hr and every 300hr after			~					~						~				4.
30	Brake	Adjust	Every 500hr	S											~				~		8 6
30	Diake	Replace	If necessary		~							V									
39	Engine Valve Clearance	Adjust	Every 1000hr																~		
40	Fuel Injection Pump	Check	Every 1000hr																~		
41	Fuel Injection Nozzle	Check	Every 1000hr	0															~		
42	Thermostat	Replace	Every 2 years or 2000hr after			G.															~

For assistance in periodic maintenance procedures, contact YOUR LOCAL YANMAR TRACTOR DEALER.

NOTE

• Check the wheel bolt tightening torque after one hour of break-in.

13. MAINTENANCE

•: Contact YOUR LOCAL YANMAR TRACTOR DEALER.

		Hour meter display time											
System	Check item	Daily	50 hours	250 hours	500 hours	1000 hours	1500 hours	2000 hours	3000 hours				
	Inspect, clean and test EGR valve (except for engines with turbochargers)								•	Every 3000 hours			
Emission control warranty	Inspect crankcase breather system						•			Every 1500 hours			
	Inspect and test intake throttle valve								•	Every 3000 hours			

CAB Type

Periodic inspection list (CAB type)

								Hot	ır me	eter d	isplay	/ time)		
Inspection/adjustment parts	Normal inspection	Category	50 hours	100 hours	150 hours	200 hours	250 hours	300 hours	350 hours	400 hours	450 hours	500 hours	550 hours	600 hours	
Cleaning and replacing the internal		Replace												~	Every 600 hours
air inlet filter *1		Clean				~				~				~	Every 200 hours
Cleaning and replacing the external		Replace						~						~	Every 300 hours
air introduction filter *2		Clean		~		~		~		~		~		~	Every 100 hours
Liquid in the washer liquid tank	Amount														
Condenser screen	Clean														
Condenser *3	Clean			~		V		~		~		~		~	Every 100 hours
Warm water piping		Replace						Every	yea	r					
Compressor drive belt	Adequate tension Strength	Adjustment	~		v		v		~		~		v		Every 100 hours

^{*1, *2} Please replace the internal air inlet filter and the external air introduction filter every 2 years no matter the actual usage time. *3 When working in a dusty place, carry on every 50 hours.

3. Lubricants

Table 13-2

No.	Locations	Capacities	Lubricants							
1	Fuel	Approximately 48 L	No.2-D diesel fuel No.1-D diesel fuel if temperature is below -10°C							
2	Coolant*	YT347: Approximately 6.2 L YT359: Approximately 7.6 L High Quality Permanent Type Antifree (Ethylene Glycol with corrosion and reinhibitor chemicals) Coolant Mixture Ratio Distilled Water 50%: Antifreeze 50%								
3	Engine crankcase (with filter)	YT347: Approximately 6.6 L YT359: Approximately 7.6 L	ACEA Service Categories E6 or higher SAE 10W-30							
4	Transmission hydraulic oil	Approximately 29 L	Hydraulic/Transmission Fluid (TF500)							
5	Front axle case	Approximately 9.0 L	SAE 80W-90 gear oil							
	Greasing	No. of Greasing points	Lubricants	Type of grease						
6	Front axle pivot	2	Conord all numes							
О	Tie rod end	2	Until grease overflows	General all purpose grease NLGI grade						
	Lift link	1		No.2						

(Specifications and design are subject to change without prior notice for improvement.)

*NOTE

- Immediately after purchasing the tractor:
 - · adjust the coolant mixture ratio of the coolant and water to suite the local climate
 - · the preceding practice assists in making the tractor function efficiently
- The coolant can remain unchanged for a period of 2 years:
 - · if during the period the tractor is operated for less than 1200 hours
 - if the tractor is operated for more than 1200 hours during the period, the coolant has to be replaced during flushing of the system
- After pouring the coolant, run the engine for a short period to mix the two fluids thoroughly.

■ Transmission-Hydraulic Oil

Use only a multi-functional fluid for use in the transmission and hydraulic system. Never use light viscosity hydraulic fluid. The equivalent oils are shown in the chart below.

Table 13-3

Supplier	Brand name
YANMAR	TF Premium
Shell	Tulles oil T37 or T46
Mobil	Mobil Fluid 425
Castrol	Agricultural MP
ESSO	Torque Fluid 56

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Oils must not be mixed with other brand and type.